

UP MANILA
1993 - 1999

The Golden Years
vol. 2

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UP Manila
1993-1999
The Golden Years, Vol. 2

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Chapter 1

EXECUTIVE SUMMARY

The past six years have been both productive and challenging to the University of the Philippines Manila because, in the midst of the economic crisis and dwindling resources, it struggled and succeeded in developing and implementing new programs and projects that enhanced UP Manila's preeminent position as the country's premier learning and training institution in the health sciences.

Under academic programs, UP Manila was able to develop and institute new courses at the undergraduate, graduate, and postgraduate levels that respond to current health needs and developments in the nation and in the region. Current program offerings now total 90. The newest addition to the undergraduate programs were the BS Computer Science and the BS Biochemistry, and BA Behavioral Science.

In 1995, UP Manila established the Graduate School which was transformed to the National Graduate School for the Health Sciences (NGSHS) in April 1999. NGSHS is meant to create effective coordination in developing benchmark programs consistent with the current thrust of the University to lead in graduate education and research. Under the NGSHS, 27 graduate programs and nine postgraduate degree programs are now being offered. The newest graduate programs include the Master of Rehabilitation Science (Generic track or Speech Pathology track), the Master of Arts in Health Policy Studies (with tracks in Health Social Science and in Health Science), the Master in Basic Medical Sciences, Master of Clinical Audiology, the MD-PhD program, the two track residency

program, the Doctor of Public Health program (Nutrition track), the Master of Management with tracks in Public Management, Business Management, and Educational Management, and the MS Clinical Medicine (with tracks in Obstetrics and Gynecology, Child Health, Family and Community Medicine.

In 1993, at the start of Chancellor Perla D. Santos Ocampo's term, the Committee on Community Health and Development was constituted to review existing community-oriented programs and activities of UP Manila and to identify ways to coordinate these programs with existing UP Manila programs and activities for maximal impact on the communities being served. The committee produced the "Generic Core Module for Community Field Practice" that can serve as a guide for an interdisciplinary approach in community health programs.

Guided by the principles of excellence and relevance, UP Manila continued to revise existing curricular programs. Programs reviewed were the BS Nursing, Master of Nursing, BS Speech Pathology, BA Political Science, Certificate in Community Health Nursing of the School of Health Sciences in Leyte, the Doctor of Public Health, and the General Education courses.

Other academic highlights were the designation of the Commission on Higher Education (CHED) of the College of Nursing and the College of Medicine as Centers of Excellence for Nursing and Education and Medical Education,

respectively. The College of Arts and Sciences was also designated by CHED as a Center of Development for Biology.

Recognizing that the beneficiaries of all the additional and strengthened programs are the studentry, UP Manila incessantly looked at concomitant services for the welfare of the students. UP Manila implemented university-wide policies and programs like the Affirmative Action Program of the Ugnayan ng Pahinungód and the Summer Bridge Program of the Learning Resource Center (LRC). It also devised learning assistance programs for students through the LRC. It computerized registration procedures to facilitate enrollment for students.

Other projects geared toward the promotion of student welfare consisted of reviewing admission policies, increased representation in University committees, institution of the Chancellor's hour (opportunity to dialog with the Chancellor and other UP Manila officials), construction of buildings for colleges (e.g. College of Nursing, College of Dentistry, College of Pharmacy, Annex Building for the College of Arts and Sciences, Sports Science and Wellness Center, and others), upgrading of library facilities and laboratory facilities, construction of more student lounges, a sports and wellness program, an annual job bonanza, "Tawag Na" hotline (counselling service), immunization project, awareness and information campaign against H-fever, leadership training seminars, and generating funds for the construction of a Student Center.

As for research, the signing of Republic Act 8503 by President Fidel V. Ramos in February 1998 seeking to establish the National Institutes of Health (NIH) was a big step toward

enhancing UP Manila's stature as a center for health research and development. NIH provides the structure and engenders the environment conducive to research. It has now 24 component institutes and programs. To further enhance its research capability, UP Manila reactivated the University Research Council which recommends research policies and a research agenda for the university to the Chancellor. Also, UP Manila organized courses on research methodology and research management. A fellowship program, the Japan Society for the Promotion of Science provided faculty the opportunity to work with Japanese scientists.

For research support services, a number of research laboratories have been established. Funding support for research increased to 700 percent, with much effort by the researchers to generate funding from outside.

UP researches had not focused only on health and medicine. The Manila Studies Program of the College of Arts and Sciences produced researches on the heritage of Manila and the problems, issues, and concerns associated with urbanization.

Many of the UPM researches have been used for policy formulation by the Department of Health and other agencies.

The University also responded resolutely to the call for intensifying and institutionalizing its extension programs through the Ugnayan ng Pahinungód, to which UP Manila attracted the biggest number of volunteers, and through the review and strengthening of existing community-based programs and initiating new ones. Almost every college has its

own community-based program, the newest of which is the Field School Program in Tagkawayan, Quezon.

UP Manila colleges also provide continuing professional education to health professionals through trainings, seminars, and workshops. UPM also hosted international and national conferences and workshops which tackled various aspects of health and medicine.

Other forms of extension services provided are consultancies, services as facilitators, lecturers or resource persons in workshops, and trainings, laboratory testing services, and many more.

The biggest provider of extension services is the Philippine General Hospital (PGH) which posted in 1998 alone a total of 681,467 outpatients and 54,627 inpatients who benefited from its varied services.

Since PGH is the training hospital of UP Manila, it also served as training ground for 5,520 medical students, residents, and fellows from 1993 to 1998. It also served non-UP trainees of the health sciences. In the last six years, it trained 3,060 resident physicians.

A big support in the advancement of academic and research activities of the university is library development and information technology. The last six years saw the acquisition of electronic reference resources and information technology needed to facilitate library services and procedures.

UP Manila also strove to promote personnel welfare through programs that addressed the varied needs of its faculty and

staff. Its efforts were recognized by the Civil Service Commission and the Convenors Group of the Public Sector of the Employees Associations when they conferred the Gawad Kalinga Award for "Most Employee-Friendly" government agency under the category "State Universities and Colleges" in 1998. UP Manila was chosen for its strong commitment to promote employee welfare and well-being through its institutionalized programs on career, moral and values development; continuing provision of wholesome physical and psychological environment, democratic leadership; and most of all, its uncompromising concern for social responsibility.

Two of the many notable projects of UPM to personnel are the UP Manila Creche and Child Center and the Values Orientation Workshop (VOW). The former has provided preschool facilities for children of its employees while the latter has benefited 3,549 employees since it has been conducted in 1994.

UP Manila, through the Chancellor's Committee on Culture and the Arts, has encouraged and nurtured artistic and cultural groups. Homegrown talents blossomed and performed in UP Manila events.

UP Manila also recognized all its awardees in different fields every foundation celebration.

As for governance and administration, wide consultations marked university governance and administration. From 1994 to 1999, four Assessment, Reaffirmation and Visioning workshops were held which served as assessment and planning sessions for heads of colleges and units with other UPM officials.

The past six years also saw a massive growth in physical plant and facilities and equipment upgrading in the university. Many colleges and units came to have their own buildings and other facilities were renovated.

The Office of Alumni Affairs serves as link of UP Manila to its alumni. It has sponsored alumni homecomings yearly; published the first UP Manila Directory and the Pillars, a collection of alumni donations, in 1994, and served as umbrella organization to all college-based alumni associations.

Other linkages of UP Manila were academic and research in nature. These linkages were with other UP autonomous campuses, government agencies, and nongovernmental organizations, private institutions, and international agencies. These linkages provided UP Manila a solid footing in the global environment and a wider and deeper perspective of program implementation.

On the homefront, universitywide and college level celebrations of significant events such as foundation days, Christmas festivities, observance of health-related and nationwide causes such as Women's Month, Human Rights Week, and Breastfeeding Week afforded UP Manila the venues for the enhancement of personal and professional relations and exhibited its constituents' high level of capabilities for teamwork, unity, cooperation, and camaraderie-building.

While the nation marked the centennial celebration of its freedom with year-long activities, the University also did its share in commemorating this significant event through a series of activities, which started with the launching rites last January 28 at UP Manila which was the University's original site.

Former President Fidel V. Ramos, guest of honor and keynote speaker during the launching, highlighted the important role of UP in nation building and affirmed the governments's continued support for the University. Three other events during the launching were the proclamation of the UP Decade 1998-2008, the launching of the One Billion Alumni Centennial Fund Campaign, and the groundbreaking rites for the Apolinario Mabini Carillon of UP Manila.

Capping the centennial celebrations was UP Manila's hosting of the UP Systemwide lantern parade which was held at the Quirino Grandstand, Rizal Park. The parade brought together the autonomous campuses and the first eight colleges of the University in floats, lanterns, and street theaters which depicted festivals and certain periods in the nation's history.

In a span of six years, UP Manila has accomplished so much. In so many areas, it dared and achieved; innovated, initiated, spearheaded. Laurels have been reaped. As the past six years will soon become history, may they be years that will be full of lessons and directions for the years to come.

Chapter 2

ACADEMIC PROGRAMS

Curricular Programs

UP Manila currently offers a total of 70 curricular programs, distributed as follows: 3 pre-baccalaureate certificates, 24 baccalaureate programs, 7 post baccalaureate certificates/diploma programs, 27 graduate programs and 9 postgraduate degree programs. Come June 1999, 5 new postbaccalaureate diploma programs and 14 new graduate programs will be added, including an innovative MD-PhD program.

The curricular programs of UP Manila serve as models for the health science education community because of their pioneering nature, their community-based component and their being competency-based which make them more relevant to the critical needs of the country.

During the past years, UP Manila has assisted other health schools in nourishing their own medical or nursing programs and in developing innovative course offerings in the area of health. To cite a few, UP Manila offers through its Leyte-based School of Health Sciences, a unique step-ladder curriculum. The College of Medicine has its Integrated Arts and Medicine Curriculum or INTARMED, a seven-year medical program which allows high school graduates to enroll directly at the College of Medicine. The College of Nursing has its competency based Nursing program.

Cognizant of its role as the premier institution for learning in health, UP Manila has continuously reviewed its

curricular programs to make them relevant and responsive to existing realities. During the period 1993-1999, two undergraduate programs, the BA Economics and the BA History have been frozen following an earlier recommendation of a Presidential Committee to Review Academic Programs. Three PhD programs, the PhD Biochemistry, the PhD Pharmacy and the PhD Pharmaceutical Chemistry have also been frozen due to lack of faculty and lack of enrollees. Effective School Year 1999-2000, however, the PhD Biochemistry program shall be revived.

In 1996, UP Manila instituted two new undergraduate programs, the BS Computer Science and the BS Biochemistry. The BS Computer Science program was adopted from the existing program of UP Los Banos, with some modifications to suit the needs of a health science community. It provides a solid technical background and experience on real systems to enable the students to handle the most demanding aspects of system development, data management and scientific computing. Meanwhile, the BS Biochemistry program provides the students with an understanding of the molecular basis of life processes. In particular, since UP Manila is a campus for medical and health related professions, biochemistry serves as a tool in understanding human processes such as those involved in the immune systems, as well as in diseases and other health related problems.

Another undergraduate program, the Bachelor of Arts in Behavioral Sciences, was instituted in 1999. Using the

interdisciplinary/ transdisciplinary approach which integrates the fields of anthropology, psychology, and sociology, this program aims to equip students with the necessary knowledge and skills to understand the dynamics of human behavior and address its attendant problems in the context of society, culture and the Filipino people. The BA Behavioral Sciences program is distinct because of its attempt to look at human behavior from a holistic perspective.

Existing curricular programs have been strengthened with the institution of new tracks, i.e., Environmental Health for the Master of Science in Public Health, Nutrition for the Doctor of Public Health and the following areas for the Master of Science in Clinical Medicine: Child Health, Family Medicine, Obstetrics and Gynecology.

Trail blazing innovations in health science education characterized the period 1993-1999. Five post baccalaureate diplomas, Diploma in Clinical Medicine (Child Health), Diploma in Clinical Medicine (Family Medicine), Diploma in Clinical Medicine (Obstetrics & Gynecology), Diploma in Clinical Epidemiology, and the Diploma in Physiology have been instituted.

New masters programs have been developed and will be implemented effective Academic Year 1999-2000. These include the following: Master of Rehabilitation Science (Generic), Master in Orthopedics, Master of Arts in Health Policy Studies (Health Social Science), Master of Arts in Health Policy Studies (Health Science), Master in Basic Medical Sciences, Master of Clinical Audiology, MD-PhD, and Master of Management with tracks in Public Management,

Business Management, and Educational Management. Effective 1999, the two-track residency program will also become operational.

Master of Rehabilitation Science

The rehabilitation sciences are clinical sciences which deal with the prevention and rehabilitation of disability. Rehabilitation science professionals collaborate with physicians, educators, and other professionals in providing management of disability. In the Philippines, these currently include physical therapy (PT), occupational therapy (OT), respiratory therapy (RT) and speech pathology (SP). In time, it can include other forms of providing rehabilitative intervention.

The College of Allied Medical Professions (CAMP) is the first in the country to offer the Master of Rehabilitation Science program. Students may enroll either in the generic curriculum or in the Speech Pathology track.

Master in Orthopedics

The Master in Orthopedics program is the first of its kind in the country. It is a two-year program with emphasis on the higher Basic Sciences upon which the specialty is based on special and controversial topics in Orthopedics. It is felt that the graduate, besides being a clinician, should also have the potential of being a researcher or a teacher. The program is also envisioned to provide an introduction to the science of research and to the foundations of teaching and learning. The Master in Orthopedics graduate is expected to be a proficient Orthopedic clinician with a solid basic science background.

Master of Arts in Health Policy Studies

The program is a joint undertaking of two colleges, namely the College of Arts and Sciences and the College of Public Health. It has been designed in such a manner as to allow maximum collaboration between the two colleges, at the same time that the expertise of each college and its contribution to the program is distinctly identifiable. Health policy development after all, by its very nature, is an activity which is multidisciplinary and multifocal. To ensure effective health policy studies training, the curriculum shall be based on a trilogy paradigm. The major components of this paradigm include:

- The macro and micro-economic policy analysis component which will be tackled jointly.
- The organizational policy analysis component which will draw heavily from the experience of the College of Public Health with health organizations.
- The political dynamics policy analysis component which is appropriately handled by the College of Arts and Sciences.

The multidisciplinary framework will facilitate a holistic view of policy problems and solutions. However, students shall be required to take core courses to level-off basic knowledge and analytical skills required by the program. Core courses will be jointly taught by CAS and CPH. Some of these core courses will be coordinated by CAS such as HPS 201 and HPS 203 while others such as PHA 201 and PHA 208 will be coordinated by CPH. The distinct contribution of the public health foundation courses such as epidemiology and biostatistics will be highlighted in the core courses. However,

their application will also be applied in courses in the Health Sciences track such as health services research methods, health information management and advanced health policy analysis.

The program has two tracks. The Health Social Science track seeks to study the health policy process within the socio-cultural context. Health policy to be effective should be grounded on the socio-political reality and should be pursued within the context of existing power structures and relationships. It should involve participatory mechanism to serve the needs of the people and bring about people empowerment. The various disciplines in the social sciences provide a holistic perspective and effective tools towards a policy-making process which is socio-politically relevant and culturally appropriate.

The Health Science track seeks to provide the foundation in the understanding of the public health fields as a basis for health policy development. The courses are aimed at giving the budding policy analyst a strong grounding in public health foundations in biostatistics, epidemiology, health care organizations management as well as evolving fields vital in health policy development such as health economics, evaluation research methods, quantitative methods in health service administration and organizations theory.

Master of Basic Medical Sciences

The Master of Basic Medical Sciences degree program is a multidisciplinary offering designed for teaching proficiency in the sciences basic to medicine. Nationwide, physicians and professionals of the Allied Medical Sciences teach the basic sciences in medical schools and in private paramedical schools.

These faculty with various ranks are not really trained for an academic career. Hence, a graduate program that can enrich their present capabilities is deemed relevant. The offering of the Master of Basic Medical Sciences will meet the demands of the local and regional health human resource development in 30 medical schools and more than 30 allied medical schools. The teachers and their students would definitely benefit from this program for it will give them an opportunity to improve their standards of teaching. This proposed program will be a benchmark offering here in the Philippines. Likewise, this new program will boost the UP System policy of comprehensive University.

Master of Clinical Audiology

This is a joint program of the College of Medicine and the College of Allied Medical Professions in collaboration with McQuarie University of Australia and the University of Sto. Tomas. It is meant to be an entry-level masters for graduates of health science degrees. It is a two-year program that integrates basic theoretical knowledge and its clinical applications. This will cover the areas of audiological rehabilitation and program development.

At present, there are 18 audiological centers in Metro Manila. They include six Manila Hearing Aid Centers (Quezon Avenue, Taft Avenue, Cubao, San Juan, Escolta, and Ever Gotesco Grand Central), Ear Diagnostics Center (Manila, Iloilo and Cebu), Ear Center, Otomed Ear and Vertigo Clinic, Hi-Tech hearing Center and the Manila Otolaryngological Foundation, Incorporated. Data gathered reflect a wide variation in the level of training of audiological personnel from

no formal training to specialized training in other countries. There is evidently a lack of uniformity in the qualifications of the audiological staff among the centers cited. This creates a situation of uncertainty as to whether clients who avail of their services are receiving quality care and services due them. Moreover, there is no ongoing degree-granting program for audiology in the country at the present time. The Master of Clinical Audiology program will not only ensure that the knowledge and skills of these audiologists will be uniform but will also assure that high quality education will be provided.

MD-PhD Program

This is another trail-blazing innovation instituted under the term of Chancellor Perla D. Santos Ocampo. One of the objectives of the program is to develop medical doctors with a strong background in basic and/or clinical research as part of their biomedical career. The PhD aspect of the combined program aims to provide students with an advanced graduate education while completing a medical degree. Initially, the combined MD-PhD program will include the following areas of concentration:

- Biochemistry and Molecular Biology
- Physiology (Molecular)
- Pharmacology (Toxicology and Therapeutics)
- Medical Microbiology and Immunology
- Medical Parasitology

The medical scientific community has, over the years, developed and expanded to include not only patient management/clinical care, but also continuing quest for new knowledge through various clinical researches. In the Western world, such medical

researches also included basic science research that delved further into pathogenetic mechanisms, development of newer, safer and more effective drugs, therapeutic and diagnostic agents, as well as vaccines and other preventive modalities. All these evolved from a direct understanding of the patient's illness, how his body naturally responds to the invading pathogens, for instance, or how intervention measures work towards his recovery. It is in this context that a medical doctor with a strong background in basic and clinical research is envisioned to be a more effective professional, pursuing a scientific career as a medical doctor/molecular biologist/biotechnologist. It has become a global trend to train medical doctor-scientists with strong background in medical research applications. The UP College of Medicine has, as part of its mission/objectives, the putting together of basic scientists and practitioners. The offering of such a postgraduate degree/training course locally is economically advantageous.

Master of Management

This is a management proficiency program that is offered in other autonomous campuses of the University. It has three areas of specialization: Public Management, Business Management, and Educational Management.

The College of Arts & Sciences has moved for the program's adoption in UP Manila because of the persistent demand of employees in both government and nongovernment organizations for a program that will further hone their management skills to make them better equipped for their jobs.

The Two-Track Residency/Fellowship Program

The program is called a two-track residency/fellowship program because residency/fellowship trainees will be offered two options for specialty training – the regular track and the academic track. The regular track (which is essentially the same as residency/fellowship programs currently being offered at PGH) will be offered to those whose career goals are directed more towards clinical practice. It is anticipated that majority of trainees will follow this track.

The academic track, on the other hand, will be offered to those whose long-term career goals are directed towards an academic career, whether with UP or with some other academic institutions. This will also be offered to a select group of residents and fellows who have been identified as potential future faculty of the university. The training activities of these residents/fellows shall be modified to allow them to combine their clinical activities while at the same time enrolling and fulfilling the academic requirements of graduate programs currently being offered by the different colleges of the UP Manila, such as:

- M.S. Physiology
- M.S. Biochemistry
- M.S. Pharmacology
- M.S. Clinical Epidemiology
- M Health Professions Education
- M.S. Public Health
- M.S. Hospital Administration
- M.S. Clinical Medicine (Surgery, Child Health, Obstetrics and Gynecology, Family and Community Medicine)
- M in Orthopedics

The product of the academic track, thus, will not only be a specialist practitioner but also a master's degree holder with appropriate skills in research, teaching, and public administration.

The General Education Program

To ensure the total development of the individual, UP Manila saw to it that the following values have been integrated in the various course offerings: ethics, gender sensitivity, community-orientedness and environmental concern. A campus GE Committee has been constituted to ensure that the GE program is constantly reviewed and that its philosophy of providing liberal education is sustained.

The College of Arts & Sciences is tasked with implementation of the General Education program of the University. All students of UP Manila, including those of the health colleges and units, pass through the portals of the CAS. This is indeed a tremendous task to undertake. Apart from information, values and skills, competencies for the health professions and in general, a preparation for life by means of a good, interdisciplinary foundation in both the academic, and psychosocial aspects of life are expected output of the GE program. Values of voluntarism, or the Pahinungod spirit, nationalism, academic excellence, democratic values and those of liberal tradition are expected outcomes of the GE program. Any new or current new values, and concerns, such as ethics, gender sensitivity, community orientedness and concerns are also expected to be incorporated in the GE program.

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For the past five years, this has been the record of accomplishment as well as areas of concern of the CAS in its administration of the GE program.

- The CAS abided by the systemwide guidelines on the teaching of GE. Thus, whatever were agreed upon at specific GE subject conferences (e.g. Social Science I, Social Science II, Nat Sci I and II, Kasaysayan I and II, Communication and Komuniskasyon I and II, Philosophy I, STS) were generally followed such as consensus on syllabus, approaches, and reading materials. If some additions were made, the minimum core as agreed upon in systemwide conferences was still retained.
- Coordinators per subject at the level of the college and the department were active. Meetings were frequently held. The faculty took pains to share their teaching experiences and materials, as well as to exchange views, especially since some of the GE subjects were interdisciplinary in nature.
- Team teaching was the original methodology used but the goal was to enable the GE teacher to handle the course by herself/himself. Student complaints on having to adjust to three different teachers, that it became relay rather than team teaching and problems in credit loading, were resolved with a single teacher handling the GE course. Senior faculty members were asked to handle the GE subjects. In cases of nonavailability, the junior faculty was usually closely monitored by the senior faculty member or the GE subject coordinator. Monitoring and evaluation of GE subjects were done at the end of the semester.

- Under the administration of former Dean Fatima Castillo, the GE Council of the college was revived and reconstituted, with some activities such as the review of the philosophy of the GE program. The first seminar workshop took place and reviewed the philosophy of the GE with Dr. Horacio Estrada as the resource speaker.
- Upon Prof. Castillo's representation, Chancellor Perla Santos Ocampo also created a committee headed by Dr. Josefina Tayag to study the impact of the GE on Health Professionals. The results of this research were published by IPPAO in 1998.
- Under the administration of Dean Tayag, one of the first acts was to review the GE program including its structure which had become unclear to some constituents. Its relationship with a created University Committee on GE by the Chancellor had also to be clarified.
- The GE council was to be headed by the Dean, assisted by a coordinator, the current being Prof. Donna Aelred Bautista. The department chairs were to be the area coordinators, and under them were the GE subject coordinators. The roles and functions of each were restated and affirmed. Meanwhile, the University GE committee was to be composed of representatives from the other health colleges. Networking with them was to be done by the CAS for a fuller understanding of the nature and philosophy of the GE, the sequences of subjects, their placement in the curriculum and a common understanding on the expected output of the GE program. Also, it was hoped that there will be a continuity between the CAS GE program and the health professional colleges for whatever values, attitudes and foundation for life that were learned. Thus, the need to meet frequently and discuss these matters.
- Proposals by CHED for the revision of the GE program from 45 units to 63 units were discussed at the college level and also with the health colleges in February 1998. The consensus was that there was no room in the curriculum for additional GE units. Moreover, the UP had already firmed up its GE curriculum and offered integrated rather than disciplinary subjects which would take care of all the proposed new subjects, e.g. Social Science I which combines several GE subjects; Social Science II, as well.
- A GE conference was held in June 1998. This was preceded by departmental and GE subject assessment meetings. The plenary conference on June 8 heard the reports of the GE subjects coordinators as to areas of concern, and proposed program of action. Aside from the problems encountered per subject, one matter brought up was the synergism that is expected from all GE subjects. Somehow, there must be a vision of an expected output, not per subject but as a result of the entire GE curriculum.
- Follow-up is being made on the resolutions crafted at the said conference.
- A GE Audiovisual Room is being prepared. The College of Arts & Sciences is in the process of acquiring much needed equipment and common educational materials.
- Meanwhile, GE professorial chairs and GE grants have been

consistently awarded to selected professors of GE. Their topics of research and output are as follows:

- * Prof. Paula Sioco (1994-1995) – “The Problem of the Meaning of Theoretical
- * Terms and its Significance in the Interpretation of Facts”
- * Prof. Cristina E. Torres (1996-1997) – “Health in the Philippines During the American Period”
- * Prof. Rolando Talampas (1996-1997) – “Study on Asian Consciousness of CAS”
- * UP Manila Students for the Development of Teaching Strategies for History II”
- * Prof. Sylvia Sustento (1997-1998) – “Health-related Issues-Supplementary Activities for Biology”
- * Prof. Dianne Agbayani (1994-1995) – “Pagpapalaganap ng mga Filipinong Pagpapahalaga sa Pamamagitan ng Panitikan”
- * Prof. Donna Bautista (1995-1996) – “Some Concepts of Poetry in Philippine Language, Literature and the Visual Arts”
- * Prof. Immanuel Magalit (1995-1996) – “The Medieval World View”
- * Prof. Dennis Millan (1997-1998) – “Speaking and listening Activities in a Writing Classroom”
- * Prof. Arwin Vibar (1995-1996 Grant) – “Paradigm Shifts: 100 Years of English Language Teaching in UP Manila”
- * Prof. Arwin Vibar (1997-1998 Chair) – “STS Manual”
- * Prof. Amante del Mundo (1996-1997) – “Manwal ng Guro sa Pagtuturo ng Humanidades I
- * Prof. Celia Albano (1996-1997) – “Using a Likert Scale to Determine Attitudes of UP Manila Students Towards Natural Science II”
- * Mr. Julius Doruelo (1997-1998) – “Geoarcheology, Concepts, Techniques and Potential Applications to Philippine Archeological Studies”
- * Prof. Nora del Rosario (1997-1998) – “Comparative Study of the Current Teaching Strategies of STS: UP Diliman versus UP Manila (in terms of Syllabi, methodologies, reference materials)
- * Mr. Gregorio Baes (1995-1996) – “Computer Software for the Interactive Learning of Concepts in Calculus”
- * (1996-1997) – “Teaching Aids in GE Mathematics”
- * Prof. Bladimir Ocampo (1996-1997) – “Calculus Made Easy (A Calculus Instructional Material/Module for Non-Math Majors

Table 2.1 Degree Programs Offered by UP Manila

PROGRAMS	COLLEGE	PROGRAMS	COLLEGE
Prebaccalaureate		Graduate	
Cert. in Barangay Health Work	SHS	Master in Rehabilitation Science (Speech Pathology)	CAMP
Cert. in Community Health Work	SHS	MS Dentistry (Orthodontics)	CD
Cert. in Community Health Nursing	SHS	MS Biochemistry	CM
		MS Epidemiology (Clinical Epidemiology)	CM
Baccalaureate		MS Clinical Medicine (Surgery)	CM
BS Occupational Therapy	CAMP	MS Pharmacology	CM
BS Physical Therapy	CAMP	MS Physiology	CM
BS Speech Pathology	CAMP	MA Nursing (Adult Health Nursing)	CN
BA Developmental Studies	CAS	MA Nursing (Maternal and Child Health)	CN
BA Economics**	CAS	MA Nursing (Nursing Service Administration)	CN
BA History**	CAS	MA Nursing (Community Health)	CN
BA Organizational Communication	CAS	MA Nursing (School Health)	CN
BA Philippine Arts	CAS	MA Nursing (Psychiatric Nursing)	CN
BA Political Science	CAS	MS Pharmacy (Industrial Pharmacy)	CP
BA Social Sciences (Area Studies)	CAS	MS Pharmacy (Pharmaceutical Chemistry)	CP
BA Social Sciences (Behavioral Studies)	CAS	MS Pharmacy (Hospital Pharmacy)	CP
BS Biology	CAS	MS Pharmacy	CP
BS Biochemistry***	CAS	Master of Hospital Administration	CPH
BS Computer Science***	CAS	Master of Occupational Health	CPH
BS Nursing	CN	Master of Public Health	CPH
BS Industrial Pharmacy	CP	MS Epidemiology (Public Health)	CPH
BS Pharmacy	CP	MS Public Health (Biostatistics)	CPH
BS Public Health	CPH	MS Public Health (Nutrition)	CPH
BS Community Health	SHS	MS Public Health (Medical Microbiology)	CPH
BS Nursing	SHS	MS Public Health (Medical Parasitology)	CPH
BS Basic Medical Science	CM	MS Public Health (Environmental Health)	CPH
Doctor of Dental Medicine	CD	Master in Health Professions Education	NTTC-HP

PROGRAMS	COLLEGE	PROGRAMS	COLLEGE
Doctor of Medicine	CM		
Doctor of Medicine	SHS	Postgraduate	
		Ph D Biochemistry**	CM
Postbaccalaureate		Ph D in Nursing	CN
Cert. in Biochemistry	CM	Ph D in Pharmacy**	CP
Cert. in Physiology	CM	Ph D Pharmaceutical Chemistry	CP
Diploma in Dental Public Health	CPH	Doctor of Public Health with tracks in:	CPH
Cert. in Health Prof. Education	NTTC-HP	Epidemiology	
Certificate of Proficiency in Orthodontics	CD	Nutrition	
Certificate in Hospital Administration	CPH	Medical Microbiology	
Certificate in Toxicology	CM	Medical Parasitology	
		Health Promotion and Education	

* Abolished in 1996 ** Frozen *** Instituted in 1996

List of Programs Frozen (1993-1999)

Undergraduate

- BA Economics
- BA History

Graduate

- PhD Biochemistry
- PhD Pharmacy
- PhD Pharmaceutical Chemistry

List of Degree Programs Instituted (1993-1999)

Undergraduate

- Bachelor of Science in Biochemistry
- Bachelor of Science in Computer Science

- Bachelor of Science in Nursing (SHS)
- Bachelor of Arts in Behavioral Science

Postbaccalaureate

- Diploma in Clinical Medicine (Child Health)
- Diploma in (Clinical Epidemiology)
- Diploma in Clinical Medicine (Family Medicine)
- Diploma in Physiology
- Diploma in Clinical Medicine (Obstetrics and Gynecology)

Graduate

- Master of Rehabilitation Science (Speech Pathology)
- Master of Rehabilitation Science (Generic)
- Master in Orthopedics
- Master of Arts in Health Policy Studies (Health Social Science)
- Master of Arts in Health Policy Studies (Health Science)
- MD-PhD
- Master in Basic Medical Sciences

- Master of Science in Clinical Medicine (Child Health)
- Master of Science in Clinical Medicine (Family Medicine)
- Master of Science in Clinical Medicine (Obstetrics and Gynecology)
- Master of Clinical Audiology
- Master of Management (Business Management)
- Master of Management (Public Management)
- Master of Management (Educational Management)

List of Programs Reviewed/Strengthened (1993-1998)

Undergraduate

- Bachelor of Science in Nursing
- Bachelor of Science in Pharmacy
- Bachelor of Science in Public Health
- Bachelor of Science in Computer Science
- Bachelor of Arts in Political Science
- Bachelor of Arts in Development Studies
- Bachelor of Arts in Social Sciences (Area Studies)
- Bachelor of Arts in Social Sciences (Behavioral Studies)
- Bachelor of Science in Physical Therapy
- Bachelor of Science in Occupational Therapy
- Bachelor of Science in Speech Pathology

Graduate

- Master of Science in Public Health
- Master of Arts in Nursing
- Master of Science in Clinical Medicine
- Doctor of Public Health
- PhD Nursing

Other Academic Highlights (1993-1999)

- Designation by CHED of the College of Nursing and College of Medicine as Centers of Excellence for Nursing Education and Medical Education, respectively.
- Designation by CHED of the College of Arts and Sciences as Center of Development for Biology.
- Designation of the College of Public Health as WHO Collaborating Center for Schistosomiasis and for Health Promotion and Education and as a SEAMEO-TROPED Center.
- Designation by the Board of Regents of the Graduate School as the National Graduate School for the Health Sciences.

The Community Health and Development Program

At the start of her term in 1993, Chancellor Perla D. Santos Ocampo constituted a Committee on Community Health and Development. This committee was tasked with the following:

- To review existing community-oriented and community immersion programs/activities of U.P. Manila;
- To identify ways and means by which these programs/activities are coordinated in such a way that U.P. Manila's activities would truly be interdisciplinary and have an impact on the communities being served;

- To recommend changes/innovations in the curricular programs.

In addition to these tasks, the committee members decided to develop an instructional plan for an interdisciplinary community-based generic core module, pilot test the core module and evaluate its implementation.

The process of development included workshops and a series of meetings, community immersion of faculty members, instructional planning of core module, pilot test with students and evaluation with feedback from students, community members and faculty members.

The committee produced the following materials and reports:

- Instructional Plan for a Generic Core Module for Community Field Practice
- Hand-outs and Student Handbook
- Questionnaires for Student Evaluation
- Self-instructional materials on Community-based Education
- Report on the Pilot Test of the Pila, Laguna Experience.

The Generic Core Module for Community Field Practice Community Health and Development Program

Description

Community Health and Development Core Module is a module designed to provide students opportunities to apply and further enhance their competencies as members of an interdisciplinary team in a community setting.

Philosophy

The University of the Philippines Manila is supported by taxpayers' money and as such needs to be at the center of socio-political changes, and not to be alienated from national issues. This view automatically leads to the assertion that UPM has an obligation to teach its students to esteem higher values that prioritize service and not to be too concerned with material rewards which will pull them to foreign lands.

In the University, the traditional classroom gives limited learning experiences to the students, whereas a community, which is a microcosmic version of society, provides a large volume of new learning experiences that are not available to them inside the classroom. These new experiences will complement the students' academic knowledge and make better professionals out of them. They will be exposed to societal problems which will be an added motivation for them to learn and serve because they will realize that they have knowledge which will be useful to the community's development.

On the part of the community, it will now have access to the expertise, which is integral to its development, provided by the students.

On the part of the university, its contact with the community will increase its capability to advance knowledge relevant to social development. It is imperative to point out that this knowledge translates into service that is not ameliorative, but emancipatory.

These are the roles the three stakeholders (students, community, University) will play in the community health and development project of UPM as developed by the Committee on Community Health and Development.

The Need for a Development Theory

UP Manila is essentially a health science campus but this does not mean that CCHDP-UPM is concerned solely with health development. This is the reason CCHDP has adopted the Primary Health Care (PHC) approach as its developmental theory.

PHC as used by CCHDP recognizes the fact that health problems are intertwined with other social problems; and that the solutions to these health problems are closely connected to the solutions of other social problems. This justifies the multidisciplinary approach to community development.

The development theory is needed because it serves as an organizing framework. It will keep the three stakeholders focused on particular social concerns whose solutions they have to formulate and explore. The theory will also be the basis of the monitoring and evaluation schemes. Appendix 2A shows the instructional plan for the CCHDP.

Roles and Responsibilities of a Community Worker

Roles and responsibilities of a community worker which a graduate of UPM is expected to be competent in performing are the following:

Roles:

- Manager of program/s project/s
- Educator
- Service provider
- Researcher

- Community Organizer
- Coordinator
- Counsellor
- Advocate/lobbyist

Responsibilities

- Manages programs and projects in the community with people/other sectors and members of the team; executes, supervises and evaluates plan of action.
- Conducts training/health education with special groups for appropriate intervention of common problem/s identified.
- Works effectively with the families, individuals, and other members of team in the management of identified problem/s.
- Conducts/participates in a study of problem area/s in the community.
- Organizes community for action towards development.
- Establishes linkages with other sectors and other members of the team for networking of activities.
- Facilitates the solution of a family/individual crisis through counselling.
- Works with relevant group to resolve significant issues in the community.

The Student Body***Enrollment Data***

The past six years (1993-99) saw UP Manila with one of the biggest enrollment figures among the health science schools in the Philippines, both at the undergraduate and graduate levels.

Total enrollment for the past six years was 28,485, of which 25,598 was for undergraduate enrollment and 2,887 for graduate enrollment. Average enrollment at the undergraduate level for the six-year period is 4,267 and 490

for the graduate level. The average enrollment for the autonomous university is 4,748. Figure 2.1 presents UP Manila's enrollment data from 1993-1999).

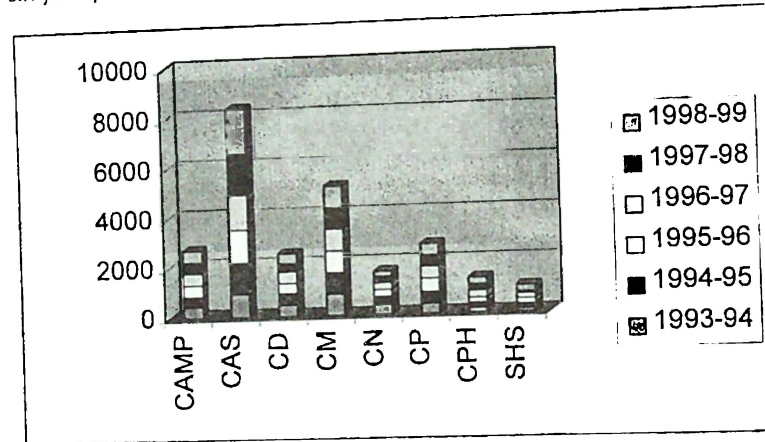


Figure 2.1 UP Manila's Undergraduate Enrollment from 1993 to 1999

The top three colleges in terms of enrollment at the undergraduate level are the College of Arts and Sciences (8,345), the College of Medicine (5,168) and the College of Pharmacy (2,795).

At the graduate level, the top three colleges, in terms of enrollment are the College of Public Health (1,363), the College of Nursing (685) and the College of Medicine (388). While practically all the degree programs have posted increases

in enrollment, the Bachelor of Science in Nursing suffered a decline of 113 or 31 percent. The reason for this could be market-driven. The Philippines has an oversupply of nurses and there are less opportunities abroad for nurses. The decline in enrollment in the College of Nursing at the undergraduate level is compensated by a 142 percent increase in its graduate programs. This could be a result of a provision in the Nursing Law which requires a graduate degree before one can teach in any College of Nursing.

It is significant that despite the perennial problem of lack of faculty items, enrollment from 1993 to 1998 steadily increased.

At the undergraduate level, increase is posted at 22 percent. Rate of increase at the graduate level is 48 percent. Figure 2.2 shows UP Manila's graduate enrollment from 1993-1999.

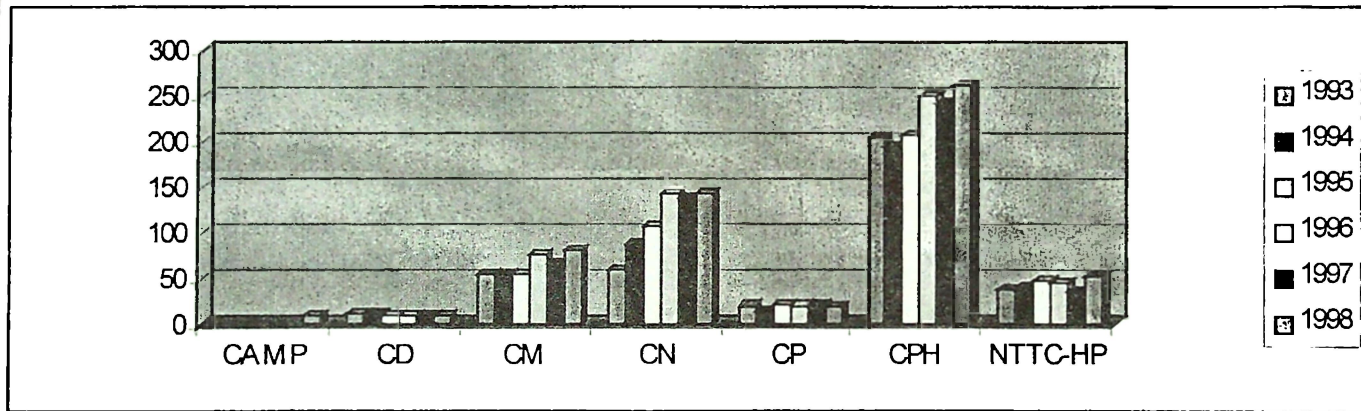


Figure 2.2 UP Manila's Graduate Enrollment from 1993 to 1999

Graduation Data

UP Manila graduated a total of 5,406 students from Academic Year 1993-94 to 1998-99. This is broken down as follows:

4,804 undergraduates and 602 graduate students. Figure 2.3 presents the graduation data of UP Manila from 1993-1999.

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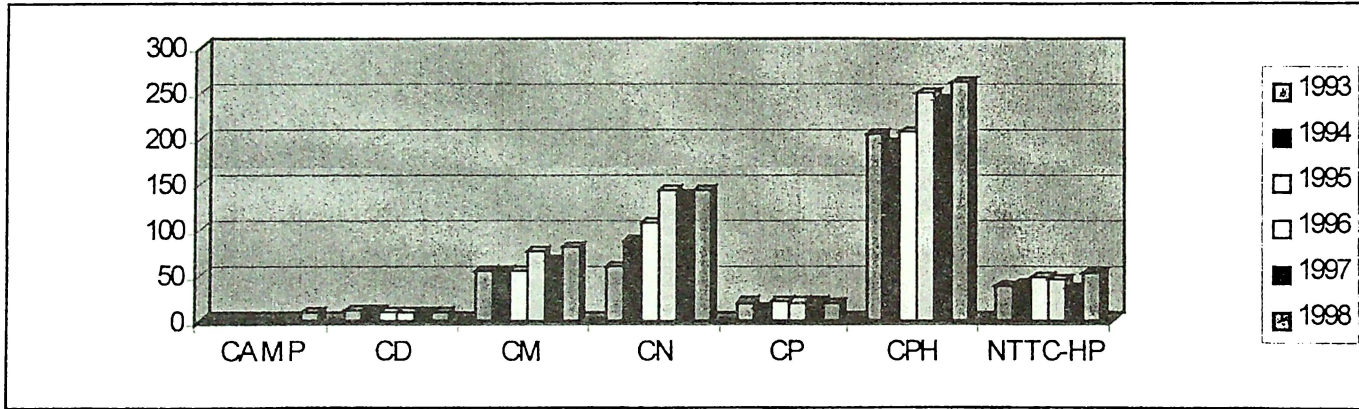


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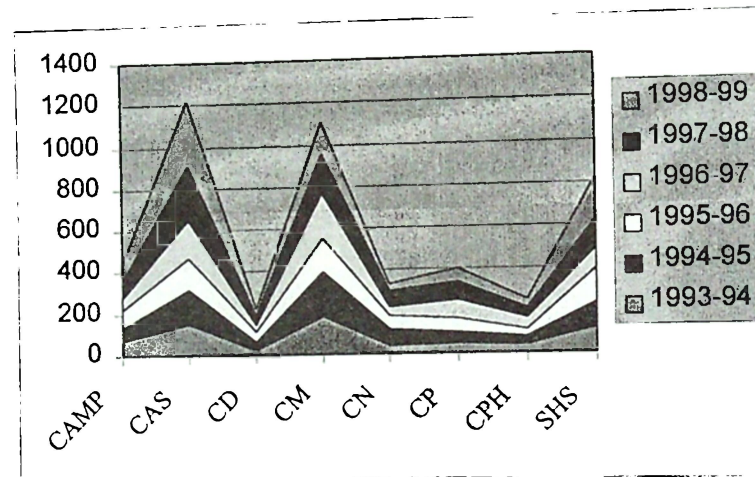


Figure 2.3 Number of UP Manila Graduates from 1993 to 1999 for Its Baccalaureate Programs

The College of Arts and Sciences, the College of Medicine and the School of Health Sciences graduated the most number of students at the undergraduate level. At the graduate level, it is the College of Public Health which produced the most number of graduates.

In terms of average rate of graduation, i.e., average number of graduates/average total enrollment, much remains to be desired. The average rate of graduation is 19 percent for the undergraduate level and 21 percent for the graduate level. The School of Health Sciences posted the highest average graduation rate at 81 percent, at the undergraduate level, followed by the College of Medicine at 21 percent, then by the

College of Nursing which registered an average graduation rate of 20 percent. The College of Dentistry has the lowest average rate of graduation at 9 percent in the undergraduate level. It has the highest rate, however, at the graduate level, with 64 percent.

At the graduate level, the College of Nursing has the lowest average graduation rate at 4 percent, followed by the College of Pharmacy at 5 percent, then College of Medicine at 9 percent. Figure 2.4 shows the graduation trends for its graduate programs from 1993 to 1999.

Considering the huge amount of resources being spent for a UP

education, factors that contribute to delay in graduation should be looked into. Ways and means to improve the rate of graduation should likewise be explored.

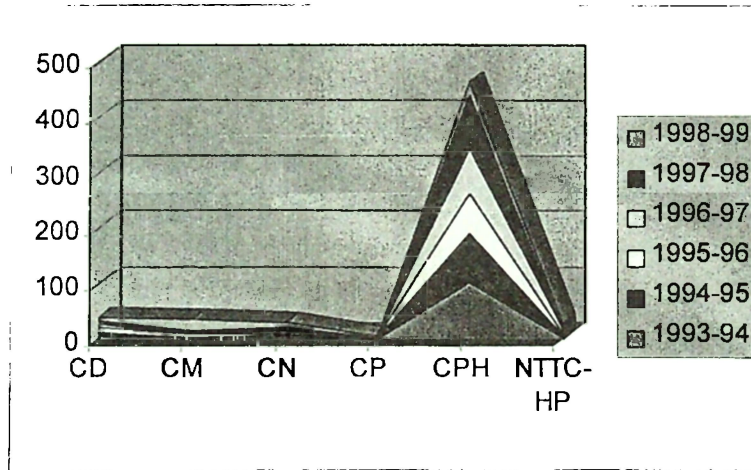


Figure 2.4 Number of UP Manila Graduates from 1993 to 1999 for Its Graduate Programs

The Faculty

U.P. Manila is one of the few institutions with the biggest pool of faculty members with graduate and postgraduate degrees. Of UP Manila's 624 full-time faculty, 553 (88%) have graduate

degrees, 65 of whom are PhD doctoral degree holders and 488 masters degree holders. The bulk of the faculty are medical doctors.

Of the 427 part-time faculty members, 348 have masters

degrees while 27 have Ph.D./doctoral degrees. Moreover, 26 and 44 faculty members are currently pursuing graduate and postgraduate degrees, respectively. It is projected that by the year 2008, there will be 200 faculty with Ph.D.s.

The faculty members of U.P. Manila are recognized in their respective fields of specialization. Most of them have done a lot of researches in various fields of health with policy implications and applications.

From 1993-1999 the faculty has been provided with a number of opportunities for personal development and career advancement by embarking on a comprehensive faculty development program that includes tenure, promotion, provision of more scholarships and fellowships, generation of more research grants, professorial chairs and faculty grants.

To enhance the faculty's personal and professional skills, regular seminar workshops are being conducted on computer literacy, production of instructional materials and multimedia strategies, improving teaching competence, enhancing research capabilities, module and textbook writing and gender sensitivity. Even non-academic activities such as flower arrangement, aerobics and ballroom dancing have been supported to promote faculty well-being.

Institutionalized programs such as the DOST-JSPS Program, PCHRD Scholarship Program, DOST-ESEP program, and the U.P. Manila Development Foundation have been tied up with faculty development.

The DOST-JSPS Program

The Department of Science and Technology-Japanese Society for the Promotion of Science (DOST-JSPS) program is an inter-institutional cooperative arrangement initiated in March 1979 through the signing of a Memorandum of Understanding for Science and Cooperation between DOST and JSPS. The program in the field of Medical Sciences came to an end on March 31, 1998. Through it, the faculty and the research staff were afforded the chance to study in Japan; to do research in collaboration with a Japanese scientist; and to attend scientific seminars and conferences.

The priority fields for Medical Sciences have been the following:

- Perinatology and Trophoblastic Diseases
- Nutrition
- Environmental and Occupational Health, Mental Health, and Health Economics
- Immunology and Microbiology
- Hepatitis, Hepatocellular Carcinoma and Other Malignancies
- Pharmaceuticals
- Degenerative and Metabolic Disorders

The University of the Philippines Manila has been the core university of Medical Sciences. Its counterpart was Kobe University.

From 1993 to 1998, sixty (60) faculty and research staff of UP Manila have benefited from the program. For the same period, four (4) completed their Ph.D. by research under the

RONPAKU program of JSPS. These are: Dr. Cecilia Llave (1993), Dr. Efren Domingo (1995), Dr. Noel Guison (1995), and Dr. Alicia Catabay (1999).

Three international seminars in the field of medical sciences under sponsorship from the DOST-JSPS program were held in the Philippines. These are the following:

- Asian Seminar Workshop on Primary Health Care Approach and Academic Community Health. This was held on November 1-5, 1986 at the National Training Center for Research and Development, UP Los Banos.
- International Seminar on Nutrition in Health and Disease. This was held on October 16-18, 1991 in UP Manila.
- International Symposium on Disasters and Health. This was held on October 16-18, 1996 at the Westin Philippine Plaza Hotel.

Now that the Program has come to an end, new collaborative arrangements should be worked out with JSPS and other Japanese universities. Collaboration is taken to mean working together to achieve complementation and synergism. It may take various forms but is premised on a common research agenda. The nature of collaboration may take any one or a combination of the following:

- A multicenter study using a contract research protocol
- Specific research questions addressed by separate institutions thus avoiding duplication
- A single research protocol, components which are handled by different institutions, e.g. samples are collected by institution A and the tests are done by institution B.

PCHRD Scholarships

Through the Philippine Council for Health Research and Development (PCHRD), a great number of faculty availed of local fellowships for their masters and doctoral degrees, as well as thesis and dissertation grants.

The incumbent administration prepared a proposal for Manpower Development, which PCHRD approved. The Manpower Development Program intends to provide scholarships/fellowships to faculty members of U.P. Manila to enable them to pursue masters and doctoral studies in such fields as biochemistry, physiology, pharmacology, molecular biology, biotechnology, health social sciences, public health, pharmaceutical sciences, dentistry, nursing and rehabilitation sciences. Financial support for the Program will come from the Bases Conversion Fund. Sixty faculty have been lined up for this Program. To date only five have been able to leave for abroad since the Department of Budget and Management has suspended the release of the Bases conversion money.

The UP Manila Development Foundation

The UP Manila Development Foundation has been activated in 1996 to support the many projects of Chancellor Perla D. Santos Ocampo, including faculty development, specifically, active campaign for professorial chairs and faculty grants.

To date, UP Manila has the following professorial chairs: 27 funded out of the UPM Development Fund; 20 from the UP Foundation, Inc.; 10 from the FUFPA. From the same funds, UP Manila has 58 faculty grants, distributed as follows: 55 from

the UPM Development Fund, 2 from UP Foundation, Inc., 1 from FUFPA. There are 23 chairs whose funds are managed by the UP Medical Foundation, Inc.

Through the efforts of the incumbent Chancellor, the following new professorial chairs, faculty grants and awards of excellence have been solicited and the funds for these are managed by the U.P. Manila Development Foundation, Inc. ___

PROFESSORIAL CHAIRS	FUND BALANCES AS OF APRIL 1999	STIPEND
1. Unilab Bayamihan Professorial Chair in Cardiology, Holder: Dr. Gregorio Patacsil	P 375,622.34	P 2,500.00/mo
2. Drs. Jose & Florencia Padilla- Dualan Distinguished Professorial Chair Holder: Dr. Perla D. Santos Ocampo	1,107,477.74	10,000.00/mo.
3. PEACE Professorial Chair in Community Health and Development Holder: Prof. Thelma F. Corcega	436 ,943.33	2,500.00/mo.
4. Tomas B. Aguirre Professorial Chair In Pediatrics and Pulmonology	349,673.95	2,500.00/mo.
5. Sir Hugh Greenwood Professorial Chair In Health Prof. Ed and Administration Holder: Prof. Cristina F. Mencias	381,616.74	2,500.00/mo.
6. Dr. Lourdes Morales-Aesquivel Professorial Chair for the College Secretary of the College of Medicine Holder: Dr. Alberto Roxas	615,421.66	5,000.00/mo.
7. Cirilo & Casimira Asperilla Professorial Chair in Nursing	392,000.00	2,500.00/mo.
8. Dean Leonor Malay Aragon Professorial Chair in Nursing	310,000.00	2,500.00/mo.
9. Dizon-Santos Ocampo Professorial Chair for whoever is Chancellor of UP Manila (will be awarded to the next Chancellor)	300,000.00	5,000.00/mo.
10. Maria Cruz-Tancinco Professorial Chair in Pharmacy	Stipend will come from the interest of a 2.5 M Endowment	
11. Dr. Jose N. Dualan Professorial Chair in Anatomy Holder: Awaiting build-up of capital	221,926.09	
12. Dr. Lachman Daswani Professorial Chair in Ophthalmology Holder: Awaiting build-up of capital	35,000.00	

FACULTY GRANTS	FUND BALANCES AS OF APRIL 1999	STIPEND
Unilab Bayanihan Faculty Grants a. Ambulatory Pediatrics Dr. Benjamin P. Sablan, Jr. b. Infectious Diseases (Pediatrics) Dr. Antonette M. Gonzales c. Cardiology (Medicine) Dr. Nelson Abelardo d. Pulmonary (Medicine) Dr. Bella Siasoco e. Gastroenterology Dr. Ma. Lourdes Daez f. Infectious Diseases (Medicine) Dr. Cecilia S.C. Montalban United Laboratories remits to the Foundation a quarterly stipend of P45,000.00		P 2,500.00/mo. 2,500.00/mo 2,500.00/mo. 2,500.00/mo. 2,500.00/mo. 2,500.00/mo.
2 Jessie B. Lichauco Faculty Grant Advisory Board Foundation, Washington, D.C. Holder: Dr. Bernadette J. Madrid	P 305,595.00	P 1,250.00/mo.
3 Dona Demetria Sumulong-Cojuangco Faculty Grant in Pharmacy	261,659.42	1,500.00/mo.
4 Maria Cruz-Tancinco Faculty Grant In Pharmacy	To share in the interest of a 2.5M Endowment	

AWARDS OF EXCELLENCE		
1 Sir Hugh Greenwood Outstanding Award in Community Services College of Medicine Student	P 134,524.11	P 10,000.00 yearly
2 Thelma J. Yambao Memorial Fund For Medicine Board Topnotchers	616,651.76	
3 Dizon-Santos Ocampo Award for Outstanding Pediatric Resident	130,000.00	6,000.00 yearly
4 Oreta-Dizon, Galvez-Santos Ocampo Award for Outstanding Research Work College of Medicine	139,348.96	10,000.00 yearly

	Professorial Chairs	Faculty Grants
UP Development Foundation	27	55
UP Foundation, Inc.	20	2
FUFPA	10	1
UP Medical Foundation	23	9
UP Manila Foundation	12	
TOTAL	92	67

Teachers' Teaching Competency

The teaching competence of teachers are honed through the country's one and only MHPEd program which UP Manila started offering in 1975.

Through this program, graduates acquire the knowledge and skills in participating actively in the development, implementation, and evaluation of educational programs; utilizing instructional processes and principles in designing and conducting a course or unit of instruction; undertaking appropriate procedures assessing student performance; participating in multidisciplinary studies and their applications to the improvement of teaching and learning in the health professions, and applying organizational and management principles in various capacities as a member or administrator of an educational institution.

From 1993-1998, NTTC-HP has graduated a total of 27 health professionals including those from outside schools. The graduates came from the different fields of health professions.

Aside from the MHPEd, NTTC-HP conducts seminars and workshops on different aspects of teacher training for requesting institutions. For the past six years, it has conducted a total of 126 such seminars.

Education Orientation and Methodology

UP Manila subscribes to the philosophy of a holistic and integrated learning. It applies principles of confluent education in which objectives in the cognitive, affective, and psychomotor

fields are developed and enhanced through approaches such as Problem-based Learning (PBL), competency-based Curriculum (CBC), Community-based Education (CBE), and Interdisciplinary Approach (IDA).

PBL is a strategy for which students discuss a problem from a given situation and use the problem as focus to identify and pursue learning objectives.

Under IDA, students learn to work and study together as members of a team. Learning is enhanced through the contributions of teachers and students from different disciplines or professions. This approach promotes a holistic and integrated understanding and solution to problems or situations.

CBC is a program of learning in which the intended outcomes and abilities to be learned by the students are clearly defined and become the focus for the methods of teaching and assessment. CBE is a program which is carried out in part or in whole in a community setting. The community, as an environment and the members of the community as partners, provide the experiences for relevant learning of issues and problems in their social, cultural, health, economic, and ecological milieu.

Instructional Materials

The production of instructional materials such as modules, laboratory manuals, monographs, books, journals, as well as computer-generated teaching aids supplement the teaching of

courses. UP Manila intensified its publication program during the past six years through the Publication Program of the Information, Publication and Public Affairs Office (IPPAO), and through the efforts of the different colleges/units.

IPPAO launched its maiden publication in 1994, a book entitled *From Victims to Survivors: Psychosocial Intervention in the Management of Disasters* by Drs. Lourdes L. Ignacio and Antonio Perlas. A winner in the National Academy of Science and Technology outstanding publication contest, the book chronicles the intervention measure undertaken by the authors and other caregivers in helping victims of 1990 disasters.

This was followed by the production of the *UP Manila Journal* in 1995 and by numerous books, laboratory manuals and modules on varied health topics. In 1998, the office published the *Philippine Textbook on Medical Parasitology*, the first local textbook which offers practical diagnosis and treatment of parasitic diseases. IPPAO also published the *Manual of Orthopedic Emergencies*, *Pathology 101: A Laboratory Manual: A Century of Public Health in the Philippines*, and *A Laboratory Manual for Prosthodontics 31-B*.

Four books by UP Manila faculty members were published by the Sentro ng Wikang Filipino. These were *Ang Anatomiya at Morpolohiya ng Ngipin* by Dr. Leonor Lago, *Manwal para sa Pagsasanay ng CBR Volunteers* by Prof. Lucia Magallona; *Pag-aaruga sa mga Taong May Edad Na* by Prof. Letty Kuan and *Entomolohiya Medikal* by Dr. Lilian delas Llagas.

It is envisioned that the classroom overhead and slide projector will be complemented with a liquid crystal display (LCD)

projector, that computer-assisted learning centers will be developed using available or indigenously produced interactive learning modules, that classrooms will be linked to an instructional material database, and that learning will truly be interactive with the professor serving only as a facilitator.

Performance in Board Examinations

No other health professions school comes close to UP Manila in terms of consistency in achieving excellent performance in board examinations and having the highest national passing rate, with a 100 percent passing mark in nearly all licensure exams. This unprecedented and trailblazing feat has been a mark of UP Manila since it produced its first graduates.

It was also this distinct brand of excellence that merited many of its health colleges to be recognized by the former Department of Education, Culture and Sports and the Professional Regulations Commission (PRC) for their outstanding performance in the board examinations during the past years.

For 1998, these same colleges continued to be acknowledged by the PRC and by the Commission on Higher Education for their excellent records in licensure examinations. Graduates of the College of Medicine, the College of Dentistry, the College of Pharmacy, and the College of Nursing continued to dominate the top 10 places and to register 100% passing rate in nearly all exams for 1998. In addition, the College of Medicine, College of Nursing and the College of Dentistry have been cited "Centers of Excellence" by the PRC.

**Table 2.2 Summary of Performance of UP Manila Graduates in Licensure Examinations
Leadership in Professional Organizations and Educational Institutions**

Board exam	Date	1993	1994	1995	1996	1997	1998
Dentistry	May	100% (5)	100% (5)	100% (8)	100% (9)	100% (8)	100% (8)
	December		100% (7)		100% (2)	100% (5)	
Medicine	February	100%	100% (1)	100% (1)	100%	100% (3)	
	August	100% (1)		97.02% (3)	100% (6)	100% (5)	92.2% (6)
Nursing	January					100% (5)	
	May	100%	100% (6)			100% (7)	
	June		100% (4)				
	August	100% (10)					
	+ November		100% (2)		100% (7)	100% (3)	
Pharmacy	January	100% (5)					
	July	100% (3)	100% (1)	100% (11)	100% (5)	100% (2)	97.75% (10)
Occupational Therapy		94.4% (9)	100% (6)	100% (13)	50% (3)	100% (2)	80%
Physical Therapy		93.1 (3)	87% (1)	80%	84%	68%	73%
Doctor of Medicine (SHS)	February				60%		
	August				80%		
Midwifery (SHS)				100% (5)			97.20%

Many of UP Manila's graduates have lent their expertise and technical knowledge and competence in organizing, mobilizing and leading professional health organizations, local and international, government and private, and in providing services and consultancies to educational institutions in health.

A big percentage of its faculty members are also seconded to other health and learning institutions, whether local or international, where they exercise a great deal of influence and advocacy in determining thrust and policies on health education and health program planning and implementation.

These faculty members are encouraged to lead and represent their professional associations and to participate in conferences, congresses, seminars and workshops.

Among the institutions that greatly benefited from UP Manila's pool of experts were the World Health Organization, SEAMEO-TROPMED, CHASPPAR, International Society of Tropical Pediatrics, the International Pediatric Association, Kobe University, World Federation Society of Anesthesiologists, World Confederation of Physical Therapy, Department of Health, Research Institute for Tropical Medicine, Department of

Office of Development

with the Office of the College of Nursing and Health Sciences, Commission on Higher Education (CHED) as Office for Medical Education and Nursing. The College of Arts & Sciences has Office of Development for Nursing.

guidelines, a center of excellence showcasing the international higher education arms as a role partner act as role model and engage in the national, regional and local community in the form of technical transfer industry. The center will also serve as a hub for the higher education arms in the region for the purpose of providing a platform for the development of the center.

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The National Graduate School for the Health Sciences

In 1990, the Health Science Commission (HSC) was established to coordinate the efforts of the various health science institutions.

The Commission is to provide leadership in the technical growth, development and advancement of the health science institutions, particularly in the areas of research, training and service.

The Commission is also responsible for developing the health science institutions and providing technical assistance to the health science institutions.

The Commission is also responsible for developing the health science institutions and providing technical assistance to the health science institutions.

Science and Technology, the Philippine Pediatric Society, Philippine Nurses Association, the Philippine Medical Association, the Philippine College of Surgeons and other health professional organizations.

Centers of Excellence/Development

The College of Medicine and the College of Nursing have been recognized by the Commission on Higher Education (CHED) as Centers of Excellence for Medical Education and Nursing Education, respectively. The College of Arts & Sciences has been declared a Center of Development for Biology.

Under the CHED guidelines, a Center of Excellence is expected to: become the showcase of the Philippine higher education system for joining the international higher education arms as a globally competitive partner; act as role model and engage in extension service in the national, regional and local community which could be in the form of technology transfer, industry linkages or connection with other higher education institutions; and influence the higher education institution in the region for the specific discipline where they are identified, in terms of quality and excellence.

In addition to its Centers of Excellence/Development, UP Manila has its College of Public Health recognized by the World Health Organization (WHO) as a Collaborating Center for Schistosomiasis and for Health Promotion and Education and as a SEAMEO-TROPMED Center. Moreover, the College of Nursing has been recognized by the World Health Organization (WHO) as a Center for Nursing Research and Development.

In April, 1999, the Board of Regents approved the proposal to upgrade the Graduate School of UP Manila into the National Graduate School for the Health Sciences.

The National Graduate School For The Health Sciences

In 1995, the Board of Regents established the Graduate School (GS) to coordinate the offering of graduate programs at UP Manila.

Its vision/mission is to provide centers of excellence for intellectual growth, discovery, and dissemination of knowledge within full intellectual freedom, through innovative teaching and advanced research, and to foster development of a lifelong commitment to learning.

It is envisioned to lead in the upgrading of graduate programs by developing multidisciplinary degree programs and formulate appropriate learning approaches for graduate students.

Its goals are to promote and enhance the development of new graduate programs that are innovative and responsive to national needs and current thrusts of the University; provide for more efficient, effective, and better planning, implementation, and management of graduate programs; promote resource sharing, collaboration, and coordination among the different graduate degree granting units of UP Manila; promote the welfare of graduate students; and facilitate and promote linkages with other institutions of higher learning both local and international.

The Graduate School has been renamed the National Graduate

School for the Health Sciences in April, 1999 to create better coordination and foster development of benchmark programs consistent with the current thrust of the University to lead in graduate education and research. The national status can allow better opportunities for local, regional, and international collaboration and networking in terms of faculty and student exchange, facilities development, and possible funding sources.

As the principal center of graduate education in the Philippines, UP Manila has the graduate faculty capabilities: 1,051 full and part time faculty with 836 with master's degrees and 92 with doctoral degrees; 26 and 44 faculty members are currently pursuing master's and doctorate degrees, respectively. By the year 2008, there will be 200 graduate faculty with doctoral degrees.

UP Manila has the biggest pool of scholars and researchers both in the academic and professional fields of science and technology, who have completed researches with policy implications and applications.

Of the 63 health science programs being offered nationwide, 29 (46%) are administered by UP Manila, with majority of the researches and professional graduate programs on health sciences and health policy being offered only at UP Manila. Examples of these programs are the Master of Science in Dentistry (Orthodontics) and Master of Arts in Health Policy Studies which was developed in response to the need for multidisciplinary programs.

With the NGSHS, the graduate faculty will have greater ability to have groundworks for new programs in health social sciences and policy-driven programs relevant to the societal

needs of Filipinos in various regions and of our ASEAN neighbors.

At present, UP Manila has the biggest enrollment among health science schools in the Philippines. In 1998-1999, with 43 graduate degree programs, it had a graduate enrollment of 578 students, 48 percent more than the enrollment in 1993. Total graduate enrollment from 1993 to 1998 is 2,887.

With the number of competent health professionals it produces each year, UP Manila has been responding adequately to the core manpower development program of the Department of Health, Department of Labor, and most of the industrial institutions.

Objectives of the NGSHS

- Enrich existing degree programs while enhancing the development and implementation of innovative, globally competitive multidisciplinary graduate programs responsive to the current thrusts of the University and demands of health professionals and educators at the local and international levels.
- Optimize convergence of graduate faculty and resources between and among the different degree-granting units, for globally competitive graduate aspirations and excellence in maintaining quality standards of teaching locally responsive graduate programs, advanced quality research and extension work, in support of the UPM goals and commitment to help improve quality of life.
- Generate resources and manage grants, aids, donations, or

any kind of fellowships and other graduate education support for the welfare of the UPM faculty and the public who seek equity in scholarly opportunities.

- Create local, regional, and international linkages and networks of complementary centers of excellence in health sciences for resource sharing and to avail of the latest developments in education, research, and health service delivery.
- Establish postdoctoral and postmaster's fellowship for updates in teaching, research, extension and production and provide efficient and effective planning and management of graduate programs through periodic assessment or evaluation and;
- Provide efficient and effective planning and management of graduate programs through periodic assessment or evaluation.

The Faculty of Health Sciences (formerly School for Distance Education Manila)

Background

The Faculty of Health Sciences started as a UP Manila Committee for the "Open University" in 1994. It was created by UP Manila Chancellor Perla D. Santos Ocampo in response to President Emil Javier's Seven-Point Agenda. The Committee was created to conceptualize and implement the plans of the UP Manila Distance Education Program. It aimed to offer continuing education and postbaccalaureate courses for career

advancement of the health professionals/workers serving the different provinces and municipalities of the country.

On February 23, 1995, the establishment of the UP Open University was approved, making the UPOU the fifth autonomous campus of the UP System.

The Committee on Distance Education was elevated to the School of Distance Education in 1995 with Dr. Arturo Pesigan as its first dean. The School, which was geographically based (SDE-Manila), was abolished and the Faculty of Health Sciences (FHS) was organized by virtue of a BOR Resolution approved in a meeting held on 18 December, 1998 which called for the reorganization of the UPOU. Five faculties which were discipline-based were created: Faculty of Health Sciences, Faculty of Social Science and Humanities, Faculty of Science and Technology, Faculty of Management Science, Faculty of Education and Faculty of Health Science.

Capability Building

From 1994- to the present, the Faculty of Health Sciences has been focusing on capability building of its human resources. Course development training programs and tutor training programs were conducted once or twice a year.

Faculty development- Dr. Roderic Ofrin, a full time faculty member of the Faculty of Health Sciences, is currently on scholarship to complete his Master in Public Health at the Hebrew University-Hadassah, School of Public health and Community Medicine in Israel.

Likewise, affiliate faculty members from the College of Nursing

have been sponsored to attend training programs, i.e. qualitative research, research methodologies and attendance to international conference/study tours.

The current formal programs are:

- Master of Arts in Nursing
- Master in Public Health
- Master in Hospital Administration.

The non-formal/continuing education programs conducted were:

- Teleconferences with nurses of the DOH conducted by the UPCN with satellite sites in Tuguegarao, Legaspi City, and Davao City (on-going), and Zamboanga City (until 1997)
- Continuing Medical Education via teleconferencing with recipients in Zamboanga City Medical Center and the Tawi-Tawi Provincial Health Office

1. Course Development

a. Completed Course Learning Materials:

- All the required courses in the DE-MPH Program
- All the core courses and major courses in Maternal and Child Nursing major for the DE-MAN program

- Some courses in MHA program except the electives

b. On-going Major courses in Adult Health Nursing, DE-MAN program

- Some electives in MHA program
- Short course on Caring for the Special Child
- Short course on Health Informatics
- Short course on "Health Systems Research"

c. Proposal being developed:

- Short course for midwives "Suturing"
- Short course for elementary school teachers entitled "Prevention of Cardiovascular Diseases"

2. Course Delivery:

- Existing learning centers for FHS programs- Manila: DE-MAN, DE-MPH; Cagayan de Oro: DE-MHA
- Manila (based at the College of Arts and Science) is a learning center of the Diploma in Science Teaching
- To be opened by June 19, 1999- Cagayan de Oro and Catarman, Samar for DE-MAN and Cebu City for DE-MPH

3. Status of Enrolment. Please see Table 2.3.

Table 2.3. Enrollment Data of FHS from 1996 to 1999

Program	SY 1996-1997			SY 1997-1998			SY 1998-1999		
	1 st Sem	2 nd Sem	Summer	1 st Sem	2 nd Sem	Summer	1 st Sem	2 nd Sem	Summer
MPH									
Batch 95A	23	17	15	15	15	13	*		
Batch 96A	88	56	50	49	46	41	39	30	
MHA Batch 96A	33	22	15	15	15	14	15	15	
MAN									
Batch 96B	Not yet offered	28	No summer offering	13	4	No summer offering	6	4	
Batch 97B		-		-	18	No summer offering	12	3	

Note:

- * candidates for graduation

1. Status of graduates:

MPH- 12 graduates as of 1st sem 98-99

2. Linkages and partner institutions

Local

Contact Person/Office

Department of Health
 Department of Labor and Employment
 Doktora Foundation, Inc.
 Educational Commission for Foreign
 Medical Graduates-IMSP
 (Application of Information Technology
 in Distance Education)
 East Avenue Medical Center
 (DE Modules on Research Methodologies)

HMDTS, CHS, LGAMS, ENHR, PIHES
 Ms. Amy Torres, Asst. Secretary
 Dr. Susan Grace Pineda-Mercado, President
 Ms. Magdalena Miranda

Johnson & Johnson Phils., Inc.
 (Caring for the Special Child;
 Basic Suturing and Intravenous Insertion
 Skills for Midwives)
 News Room, Inc.

Dr. Jojo Rivera, Dr. Gigi Lavadia,
 Dr. Marvie Abesamis

Mr. Santiago Robles

Mr. Chanda Shahani, Gen. Manager

Philippine Council for Health Research
 and Development Dr. Pacita Zara, Exec. Director
 (MPH-DE Scholarships; Evaluation of the
 MPH-DE Program; Assessment of
 Teleconferencing as a Tool for
 Continuing Nursing Education)
 United Nations Development Program

Dr. Vicente Salas

International

AusAID-Department of Health
(Women's Health Training Program)
Boston University
Catholic University of Louvain, Belgium
Provincial Health Bureau
Heilongjiang Province, China
Harvard University

Kobe University
McGill University
Memorial University of Newfoundland
Nova Scotia Department of Education
Acadia University
Dalhousie University
St. Francis Xavier University
University of Connecticut Ergonomics
Technology Center
University of Connecticut
International Health
World Health Organization
Western Pacific Regional Office

Yale University

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Ms. Joanne Morrison

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Mr. Zhou Hai Feng
Dr. David Shore, Dr. Gareth Green,
Dr. Douglas Dochery, Dr. Augusto Litonjua
Dr. Naotaka Shinfuku
Dr. Gilles Theriault
Dr. Carl Robbins
Hon. Minister Robert S. Harrison,
Ms. Ava Czapalay

Dr. Tim Morse

Dr. Schensul

Dr. Stephen Nair, Dr. Asahi, Dr. Suomela, Dr. Milan

Dr. Mark Cullen

Sentro ng Wikang Filipino

Naisalin kay Bb. de las Llagas ang pamumuno ng SWF-UPM noong Nob. 1, 1997. Hinirang si Gng. Amara Y. Serrano bilang isang Kawaksing Mananaliksik I (URA-I) noong Marso 2, 1998.

Gumawa ng sariling pagkakakilanlan ang SWF-UPM na tinawag na "*Bulong ng Bubuyog*", ito ay nagsisilbing midyum ng komunikasyon sa pamamagitan ng pagbubulong at paghahatid ng mga balita.

Noong Mayo, 1998 nagpasalin sa Wikang Filipino ang SmithKline Beecham International ng kanilang Package of Health Care Services na may pamagat na "*Intestinal Parasite Control Program*" kay Bb. de las Llagas.

Inilunsad ang mga textbuk ng SWF (Entolomohiya Medikal, Morpolohiya at Anatomiya ng Ngipin, Manwal ng mga Community-Based Rehabilitation Center (CBR), at Pag-aaruga sa mga Taong May Edad Na) kasabay ng iba pang publikasyon ng U.P. Manila noong ika-19 ng Hunyo, 1998 sa Punong Aklatan ng Unibersidad.

Natapos ang *Glosari ng mga Terminong Agham Pangkalusugan* at ito ay kasalukuyang ihinihingi ng pondo para sa pagpapalimbag nito, sa PCHRD, sa pamumuno ni Dr. Pacita L. Zara.

Nakadalo sa Pulong ng mga Tagapag-ugnay noong Disyembre 6, 1998 at ito ay ginanap sa UP Visayas-Iloilo.

Noong Disyembre 11, 1998 naging panauhing tagapag-salita sina Bb. de las Llagas at Dr. Lago (miyembro ng Komite ng SWF) sa isang panayam na may paksang "*Ang Wika at ang Medisina*". Ito ay ginanap sa UP Diliman na may layunin na mabigyan linaw ang iba't-ibang isyu tungkol sa Wikang Filipino.

Pagpasok ng taong 1999, nagbigay ang Chancellor ng isang silid para sa SWF. Ito ay ang dating opisina ng Budget na naging opisina din ng Pahinungod. Ito ay nakaluklok sa 2/P ng Gusaling Joaquin Gonzales (dating NEDA) sa Padre Faura. Ito ay ipinaayos ng Chancellor at kasalukuyan nang ginagamit na opisina ng SWF.

Nakadalo sa pulong ng mga Tagapag-ugnay noong Pebrero 26, 1999 na ginanap sa UP Baguio.

Nakadalo sa Paunang Kumperensya (Pre-Conference) noong Abril 30, 1999 sa Pambansang Aklatan. Ito ay dinaluhan ng mga Puno ng mga Unibersidad at Kolehiyo ng mga Paaralan ng Medisina at Agham Pangkalusugan sa buong Pilipinas. Kasamang dumalo ang dalawang (2) miyembro ng Komite na sina Prop. Lea Igaya at Prop. Amante del Mundo.

Ngayong Mayo, pinadalhan ng sulat ang mga pinuno ng bawat yunit ng UPM upang hingan ng konsultasyon para sa ipapangalan sa pahayagan. Ang *Bulong ng Bubuyog* ang pinili ng mas nakararami.

Chapter 3

STUDENT WELFARE

The improvement of the welfare of students is the bottomline of any program being implemented in the University, whether academic, research, extension, infrastructure and facilities expansion, or library and information technology development. Hence, it is important that the University ensures the students' most productive and meaningful stay in the campus by continually initiating programs in these areas and providing adequate opportunities for their intellectual growth and personal development. This section of the report focuses on student programs and activities which are not tackled in other chapters. An extensive discussion of student welfare promotion through infrastructure build-up, facilities improvement and expansion, upgrading of laboratories, construction of classrooms, installation of information technology structures and softwares can be found in these chapters.

During the past six years, UP Manila enhanced the delivery of basic services to the studentry, provided more and better academic support and learning assistance services as well as more opportunities for the nurturing of its talents, skills, and other creative abilities. In line with its goal of having an enlightened and involved studentry, the University also enabled the students greater and wider involvement and participation in University affairs.

Admission Requirements and Selection

Aside from systemwide policies and guidelines on admission such as the UP College Admission Test and the Excellence-

Equity Admission System, UP Manila continued to find ways of democratizing admission policies and enrollment.

Among the initiatives to democratize access include the Affirmative Action Program (AAP) of the Ugnayan ng Pahinungód (*please see separate report*) and the Summer Bridge Program (SBP) of the Learning Resource Center. AAP aims to help third year high school students of underrepresented communities in the UPCAT in improving their Mathematics, English, Science, and History competencies and to entice them to study at UP. Since the program was implemented in 1996, faculty and student volunteers have been deployed to several high schools in Jolo, Zamboanga del Norte, Occidental Mindoro, Palawan, and Bukidnon. The program has benefitted 625 students.

The SBP consists of three-week intensive tutorial sessions which are complemented by psychosocial development sessions conducted by the Office of Student Affairs. The program helps bridge the gap between the students' exit skills at the secondary level and the requisite entrance skills for their first year in the University. The program also focuses on developing their critical thinking skills in Communication, Mathematics, and Chemistry.

In 1996, the Leyte-based School of Health Sciences, which offers the unique step-ladder health curriculum, admitted lateral entrants from Palawan and the Autonomous Region of Muslim Mindanao to its community medicine program. The School is targeting Barangay Health Work students from the

Cordillera Autonomous Region, Romblon, Mindoro, Cotabato, Iloilo, Guimaras, Misamis Occidental, Masbate, Bukidnon, Surigao, Bicol, and Cebu.

SHS is distinct from other UP units because its students are not UPCAT qualifiers but are recommendees of local officials at the barangay and municipal levels. They are accepted based on academic qualifications and more on their commitment and ability to engage in community work and to return to their hometowns after graduation from SHS.

Registration and Student Records

Efforts to streamline registration procedures started in 1988 with the computerized enlistment of 4,810 students. With the increase in the number of enrollees especially at the College of Arts and Sciences, problems on lack of slots, bottlenecks in the manual aspect of registration, underloading, and conflicts in schedule arose.

These constraints prompted the development of a complete computerization program starting with enlistment up to assessment. The first phase of the program was implemented at CAS during the second semester of 1997-1998. The first stage of Phase I was simply a modification of existing procedures but simplified for ease in fitting together individual schedules of about 3,000 students. The second stage was implemented during the summer of 1998.

The computerization program is now being implemented in all colleges of UP Manila for the enrollment of freshmen students. With the computerization, the whole registration process including the processing of the student's

identification card which is also computerized, takes only 20 minutes. It is now a one-stop shop except when the adviser signs the form, because even the class cards are computerized.

With a great boost from the College of Arts and Sciences and the University Student Council, the computerization program was successfully implemented during the enrollment for the first semester of AY 1999-2000.

The program is being facilitated by the Wide Area Network linking the offices of the College Secretaries, the Registrar, the Assistant for Academic Affairs, and the Information Management Support Service.

Called the Student Registry, Scheduling, and Grading System and dubbed the "womb and tomb system," the program does not only automate registration but also keeps records of the schedules and grades of students from first year until their graduation from the University.

Student Tracking and Support Services

In 1998, the development of an integrated student tracking system was initiated to monitor the students' academic performance and detect early problems which may affect learning. Although there were existing structures of tracking student performance at the college levels, it was deemed necessary that an integrated system be devised to standardize implementation of the University's academic rules and guidelines and to provide psychosocial support to students whose academic performance may be affected by social, psychological, and financial factors.

The process for the development of a student tracking system commenced with the conduct of a workshop held in September 1998 which was participated in by college secretaries, student record evaluators, student records officers, guidance services specialists, Officers for Student Relations, representatives from the Learning Resource Center, and faculty members from the different colleges who are responsible for monitoring student progress.

During the said workshop, several speakers from other learning institutions and from UP Manila shared their experiences and insights on student tracking. Various examples of student tracking systems used by other schools were also presented, together with the technical aspects of a computerized student tracking system.

In the workshop portion, the participants were grouped into five according to their job descriptions: Student Records Evaluators, Student Record Officers, Officers of Student Relations, College Secretaries, and the Guidance Service Specialists joined by the LRC representatives.

The groups' task was to develop a matrix for student tracking which takes into consideration the following factors: purpose, student variables, sources of variables, schedule of availability of data, persons who will use the data, how the data will be collected, requirements, and constraints and issues that will be faced.

The workshop output revealed that the required student variables may be categorized as academic and psychosocial. Academic variables include segregated UPCAT scores, academic load, academic standing, and rank per semester, list of students who dropped subjects and had change of

matriculation, and semestral grades. Psychosocial information include the students' personal data, and sociodemographic background.

Issues raised during the workshop included the standardization of policies on scholastic delinquency, confidentiality of data, access to student information, parents' involvement, and ethics.

A follow-up seminar was suggested to finalize the student tracking system. So far, the program has paved the way for a more effective referral system for problem students.

Office of Student Affairs Services

UP Manila's vision for an informed, enlightened and involved studentry is also concretized through the six programs of the Office of Student Affairs. These programs and their respective accomplishments during the past six years are the following:

Scholarship and Financial Assistance Program

The program provides financial assistance to deserving students who are unable to afford a UP education. The administration of the UP Systemwide's Socialized Tuition and Financial Assistance Program (STFAP), as well as, of scholarships given by other government agencies, private donors, and special agencies falls under this program. Other financial assistance packages such as the student loan board and student assistance are also being managed by OSA through this program.

STFAP-related activities being undertaken include the initial processing of applications, initial evaluation of appeals for

rebracketing, home visits of applicants, and preparation of payroll for the grantees. During the past six years, a total of 11,820 students availed of STFAP grants. Most of those in Bracket 1 were students of the Leyte-based School of Health Sciences. The same years yielded a total of 358 appeals or an average of 60 each year. Ninety-two percent of these appeals were given lower brackets, hence, they enjoyed more and higher benefits. The STFAP program instituted house visits as basis for action on appeals for rebracketing. Data gathered from the house visits nationwide were used in evaluating the appeals. Table 3.1 shows the data on rebracketed STFAP grantees.

Table 3.1 Data on rebracketed STFAP Grantees

School Year	Bracket 1-4		Bracket 5-8		Bracket 9 Down
	Up	Down	Up	Down	
1993-1994	3	5	10	56	10
1994-1995				18	4
1995-1996		6	6	50	8
1996-1997	1	3	7	52	18
1997-1998		5		49	9
1998-1999		4		26	6

With scholarships as great source of help for the students, OSA continued to solicit scholarships from outside sources and administered these to the recipients. To date, some 20 scholarships given by private individuals, local and international institutions, private organizations and NGOs have been awarded to 427 students. The scholarships usually cover tuition fees, book allowance of P500 to 1,000/month, monthly allowance of P200 to P1,500, and transport allowance. A recent scholarship donation is the Franklin Drilon Scholarship which is open to freshmen and which covers living and book allowances.

Recently launched was the Comprehensive Loan and Resource Program (CARE) which aims to generate funds to help students in their emergency needs. Initially open to students from STFAP brackets 1-4, CARE hopes to generate more funds from private donors.

For the student assistantships, a total of 1,068 applications were evaluated and processed by OSA during the past six years, or an average of 178 students per year. These students were given financial assistance for rendering varied forms of services to the different colleges/units during their free time.

Meanwhile, some 1,037 students were granted student loans from 1993-1999, corresponding to an equivalent amount of P3,815,687. The loans are given to students to help them pay their tuition, buy books, or spend for their emergency needs.

Student Activities Program

This program oversees all matters directly related to students and the conduct of student organizations. Under this program, regular activities include the holding of freshmen orientations and starting in 1996, the parents' orientations, accreditation and monitoring of student organizations, supervision of University Student Council and college council elections, and supervision of the selection of the staffers of the UP Manila Collegian.

Aside from these activities, initiatives made during the past six years were the institutionalization of the Student Summit as a training ground for student leaders and which brings together heads of student organizations in UP Manila to discuss burning issues and urgent concerns of the studentry, the

creation of the Inter-Fraternity/Sorority Council, the formulation of new guidelines on allocation of *tambayans* and on accreditation of student organizations.

In 1995, the Sports Science and Wellness Center was built. It has become the venue for many sports activities of student organizations and through which sports and wellness activities such as ballroom dancing, aerobics, tennis, fencing, were opened to students.

OSA continues to coordinate the Chancellor's Hour, a dialogue between students and the UP Manila Chancellor and other UP Manila officials, where issues are clarified, programs are presented and discussed, and courses of action are agreed upon.

Guidance and Counselling Program

This program seeks to address the students' psychosocial problems that affect academic performance through a system of referral where college-based guidance counsellors and officers of student relations work hand in hand with OSA. Two regular projects are being implemented under this program, the provision of guidance and counselling services to students and psychosocial testing for all incoming freshmen.

Other activities being carried out include the annual job bonanza, putting up of counselling nooks in each college, conduct of studies and researches, conduct of leadership training and team building seminars, peer facilitators' training, stress management, and values seminars.

To encourage more students to avail of guidance and counselling services, three more projects were initiated in

1997 and 1998, the "Tawag Na" which is a telephone counselling program, the Early Detection Program where faculty counsellors were trained by the office to identify potential problem students during the early stages of their stay in campus, and the Integrated Student Tracking System (*please see separate report*).

From 1993-1999, a total of 18,832 clients were given these services composed of individual counselling, 9,732; group counselling, 2,817; career information and placement service, 2,025; and psychological testing, 4,258.

Auxiliary Services

Auxiliary services include facilitation of the dental-medical examinations of students, drawing up of guidelines on canteen operations and monitoring of food services, proposal for a health insurance scheme for students, devising of a system for a more efficient parking and traffic flow, and survey of existing dormitory facilities

In cooperation with the College of Arts and Sciences, OSA launched the "Operation Linis, Alis Aedes" project as an awareness and information campaign against H-fever. A new project was initiated in 1998, the Immunization Project, where more than 1,000 students availed of free Measles, Mumps, and Rubella (MMR) vaccines donated by a drug company.

Student Disciplinary Tribunal

With the creation of the SDT, cases are now resolved faster. So far, SDT has handled 25 cases involving the STFAP (13 cases), fraternity-related (9), and others. Under this program,

SDT also initiated seminars to clarify the implementing guidelines on the anti-sexual harassment policy, anti-hazing law, and on University rules on conduct and discipline, particularly the amended rules governing fraternities and sororities.

Table 3.2 Summary of student services rendered by the Office of Student Affairs from 1993-1999

	1993	1994	1995	1996	1997	1998	1999	TOTAL
No. of Student Assistants	135	149	150	155	240	239		1068
Amt. Loaned to Students (P)	543104	677172	814410	788806	450656	541537		3,815,685
Counselling services	2965	4226	3361	3014	2203	3063		18,832
Training seminar participants	525	494	948	730	1080	227	228	4232
Consultation	1019	1483	955	1258	1343	1415	439	7912
Physical exam	3451	4018	3451	2941	5134	4631	2206	25832
Infirmiry admission	7	14	6					27
Referrals to other OPD clinics	261	131	250	285	299	228	78	1532
SDT Cases	10	10		1		4		25

Services to Student Organizations

Aside from accrediting student organizations, OSA assists them in undertaking their various projects and activities. Services to student organizations include provision of tambayans (42 were given from 1993-1999) for various college-based organizations, the designation of a Student Center which houses the University Student Council office, the Manila Collegian office, a seminar room, and a studio room for performing arts groups; provision of additional bulletin boards for posting; formulation of guidelines of occupancy for tambayans and for posting of materials; sponsoring of student activities through resource generation, referrals, and assistance

in the use of venues; sponsoring of seminars to clarify guidelines on sexual harassment, hazing, and other University issues; and scheduling of a regular Chancellor's Hour, a dialogue with the Chancellor and UP Manila administration officials.

Various facilities were also constructed/renovated to serve as venues for student activities such as theaters for concerts and other stage presentations. Constructed were the Class of 1972 Theater at the College of Medicine and the Sports and Wellness Center for sports activities and PE classes. Renovated were the CAS Little Theater and the auditoria at the College of Nursing and College of Pharmacy.

Measures were also devised to reduce fraternity-related violence such as the creation of the Inter-fraternity/Inter-sorority Accord Renewal in the aftermath of the Icasiano case, and regular meetings with fraternity and sorority heads.

Expanded ROTC Program

The Expanded ROTC program is the modified two-year basic ROTC course which is provided for in the Implementing Rules and Regulations of R.A. 7077. It is basically composed of basic military subjects in the first curriculum year and any of three service components in the second year, namely Military Training Service (MTS), Civic Welfare Service (CWS), and Law Enforcement Service (LES).

Being a health science institution, UP Manila implements the CSW component of the program which started during the first semester of Academic Year 1996-1997. The CWS component consists of projects and activities designed to encourage the youth to contribute to the improvement of the general welfare and the quality of life of the community and its various institutional components, particularly health, education, safety, livelihood, and the morale of the citizenry. Like the two other components, it requires a total number of 51 hours per semester.

CWS Modules

The CWS is comprised of the following modules: tutorials module, ecoscouts module, peer counselling module, and PGH immersion module. These were recommended by a committee created by the UP Manila Chancellor and are actually existing programs of the Ugnayan ng Pahinungod.

The Tutorials Module aims to deploy ROTC cadets in public elementary schools to tutor elementary students, particularly slow learners. A specific public elementary school is being chosen for this purpose.

The Peer Counselling Module trains young volunteers by enhancing their counselling and facilitative traits and coping skills. The first year of implementation was affected by problems in structure and technicalities. While there was support in training the ROTC cadet counselors, problems were experienced during implementation, particularly in monitoring and evaluating their performance. Hence, the implementation of these modules was suspended during the first semester of School Year 1997-1998.

After consultations, certain administrative and technical constraints were resolved, and a revised Peer Education and Counselling Module took off the ground.

On January 12, 1998, 17 ROTC cadets, trained on facilitating and counselling and in writing/implementing the Total Person Experiential Learning activities, were introduced to the Kanluran sa ER-MA Ministry, Inc. The Center is a drop-in house for streetchildren from dysfunctional families who were abused, prostituted, exploited, or were vagrants at their tender age.

The cadets were required to render 60 training hours from January 12 to March 20, 1998. Each of the three groups took care of a particular group of children for the whole duration. Two cadets were assigned as monitors and processors of the different activities.

Each session was a three-hour activity handled by the group. The groups were allowed to plan their own activities based on several topics like self-awareness, competencies, talents, skills, dreams, family wellness, and values. A person was assigned each meeting to motivate the children and to facilitate the activity, and process the experience.

The culminating activity on March 20 highlighted the skills, behaviors, and other talents which were either affirmed or discovered during the cadets' stay with the children. The children's output during the activities was displayed to manifest their participation and cooperation during the sessions. The cadets gave the children a token for their support and persistence in going through all the activities. Their impressions on the experience were enscenced in the pictures and papers submitted at the end of the course.

The Ecoscouts Module deploys cadets to schools and communities so they can teach target clients, particularly unemployed individuals with low family incomes, skills in soap making, paper recycling, container gardening, and food processing. The module also aims to help organize the Ecoscouts movement.

For the tutorials, ecoscouts and peer counselling modules, Prof. Benjamin Mangubat of CAS proposed the creation of the UP Alternative School to provide free educational opportunities to those deprived of formal schooling. What came out of it was the UP Manila Alternative Education Program for Streetchildren (UPMAEPS).

UPMAEPS is an integration of the programs on tutorial, ecoscouts, and peer counselling. Its vision is to provide an educational program for streetchildren that will enable them to

join the formal school system. Classes for this project started in June 1998 with 50 students (composed of out-of-school youth from Leveriza) and with science, mathematics, Philippine History and Economics as initial subjects. Cadet-teachers were divided into three groups (tutorials, livelihood, and module and teaching supplements).

The PGH Immersion Module

This module was developed and is being implemented by the PGH Department of Nursing through its integration with the Hospital Volunteer Program. The support services which can be rendered by cadets under this program can be in any of these dimensions: affective, affiliative, temporal, contextual, and cognitive.

The program enables students to gain awareness of the health problems and concerns affecting their countrymen through actual participation in selected patient care and other health-related activities in related areas; develop positive attitude towards socio-civic consciousness; and demonstrate these values in day-to-day situations as responsible and productive members of society.

Under the PGH Immersion Module, students are assigned to work as aide or assistant in any health care area in PGH on a semi-voluntary basis. A student works as a volunteer but at the same time, earns academic units upon fulfilling the required 51 hours per semester for two semesters. The students are assigned tasks related to patient care such as taking vital signs, dressing a wound, conducting a patient from one place to another, applying first aid measures, etc.

The Learning Resource Center

The establishment of LRCs at the UP System was approved on April 17, 1997. Subsequent policies and guidelines for the operationalization of the centers were drawn up by the Office of the Vice-President for Academic Affairs, Vice-Chancellor for Academic Affairs, LRC System Director and the Dean of Office of Student Affairs.

The LRC was tasked to "supplement, complement, and coordinate existing learning assistance programs wherein the goal of academic excellence will be realized in a more caring and nurturing environment." The specific goals of the LRC in providing a supportive learning environment are upgrading of student capabilities to meet the demands of UP education particularly in the Social Sciences, Natural Sciences, Mathematics and Arts and Communication; provision of alternative avenues for personal growth; provision of assistance in student's psychosocial development through specific activities and programs; coordination with other offices/ units and organizations within the university regarding student progress and welfare; and determination of the effectiveness of learning assistance programs.

LRC-Manila

The Director of the LRC - Manila was appointed on October 1, 1997. A three-year plan for the new unit was immediately drawn up. After occupying two rooms at different times at the mezzanine of the first floor of the College of Arts and Sciences, LRC-Manila moved to the Boardroom, Don Joaquin Gonzales Building. At present, the office with the student services section

is occupying the former Chancellor's office while awaiting the rehabilitation of the spacious area allocated by the Campus administration.

The office equipment and furniture were initially borrowed until it has acquired its very own from the seed money given to it by the System. Earlier, two personal computers were received as donations from the Commission on Higher Education.

Currently, eight computers and a server are being used for encoding, for multi-media projects, and for reading CD-ROM's. The connection to internet is awaiting the erection of structures for a campus area network. Several computers are now being purchased, as well as, a scanner and CD writer. The LRC also has television cable connection for easy accessing of educational programs and the most current news available in real time. A library of print and non-print materials has also been established. Books, magazines and journals were donated by academic organizations and units like the Manila Studies Program, the Philippine National Historical Society, Ateneo University, Educational Research Program of the UP Center for Integrative and Development Studies and UP Integrated School, among others. Embassies, the Thomas Jefferson Information Center, the World Bank, the National Museum, National Commission for Culture and Arts and others have also generously shared materials with the LRC.

The LRC has two staff members hired on contractual basis and three student assistants providing services to students during the regular semester from Monday to Friday, 8:00-12:00 and 1:00-5:00. LRC services include the following:

- Free tutorials in Communication, Science and Mathematics (faculty and peer assisted and self-instructional). Modules are also available.
- LRC Multimedia Library (print and non-print, i.e. CD-ROMs)
- Audiovisual Facility (including a cable TV connection to give students exposure to international and informative programs)
- Computer use and computer literacy training
- Community Bulletin Board for the promotion and announcement of LRC activities/projects and those of other institutions and agencies.
- Sponsorship of workshops/seminars/symposia on various areas of interest and skills development. Cultural awareness and social skills development are in the priority list of activities to be pursued this schoolyear 1999-2000.
- Life Skills Development Program in coordination with the Guidance and Counseling Office of the Office of Student Affairs.

The above mentioned services represent the triad of remediation and preventive mechanisms which comprise the components of LRC: Enrichment and Instructional assistance program, Life Skills Development, and Monitoring and Evaluation Program. The last is being closely monitored by the

LRC System with the creation of database, rating scales, and diagnostic tests among others.

Summer Activities

The LRC provides the same services to students enrolled for the summer (except for the Life Skills Development Program). The highlight of the LRC summer is the preparation and implementation of the Summer Bridge Program (SBP). LRC-Manila is the only LRC that calls its SBP "Modified Bridging Program" (MBP) due to its shortened duration of three weeks instead of six weeks in the other campuses. A tutorial maintenance phase was also introduced which stretched out to cover the succeeding semester. This was resorted to because of the housing expenses and difficulty of finding tutors.

Life Skills Development (formerly known as Psychosocial Development) sessions prepared and conducted by the Guidance and Counseling Office of the Office of Student Affairs complemented the academic sessions. Diagnostic tests were also given on Communication, Mathematics and Chemistry. Learning modules were also used in the sessions. SBP participants were selected from a list provided by the Office of Admissions. Of the 74 students invited to the program, 39 responded positively. An additional five students volunteered to participate, one of whom belongs to the Intarmed Program.

For 1999, 75 incoming freshmen students were invited to participate in the SBP. Invitations were sent through the mail even before the freshmen confirmed their admission to UP Manila. Of the 75 students, 32 confirmed their participation while one student volunteered to participate.

Popularization

Promotional materials, LRC brochure, and LRC flyer were printed and distributed during the OSA-sponsored student orientation for incoming freshmen. Posters on LRC services were also posted around the campus. An LRC website is being designed while an LRC Student Orientation in Powerpoint is in progress.

An Open House was conducted by the LRC last January 22, 25 and 26 which was attended by LRC Directors (other campuses), deans of UPM colleges and other UPM officials. Meetings with the faculty and representatives of various organizations have been conducted while tour and visit to the unit has been scheduled during the opening of classes.

Other Activities

LRC conducted a survey on Knowledge, Attitude and Practices towards Learning Assistance among UPM Freshmen and Sophomore in the summer of 1998.

The LRC Director served as Convenor and the staff as Secretariat to the National Centennial Commission-Women Sector's 11th Roundtable Discussion on "Women's Health and Sexuality" held at the College of Nursing Auditorium last July 27, 1998.

For the Summer of 1999, the LRC accepted six practicum students from the Behavioral Studies Program of the Department of Social Sciences, College of Arts and Sciences. The six students assisted in delivering LRC student services (i.e. computer, library, audiovisual, etc.) along with exposure and actual hands-on to the administrative functions of LRC (i.e.

canvassing, correspondence, follow-ups etc.).The LRC and the students conducted a preliminary study on the types of learning assistance package given to students at the tertiary level in selected schools in Metro Manila.

Profile of LRC users

Fifty seven percent of UP Manila students have availed of LRC Services at one time or the other since it started operations last July 2, 1998. Thirty nine percent of LRC users are freshmen, 22% sophomore, 17% juniors and 22% seniors working on their class projects and thesis. A few volunteer-students assist the LRC.

Nonacademic Student Development

Complementing the academic support services for students are the non-academic programs which include a sports and wellness program, provision of opportunities for social and cultural upliftment and leadership skills, and participation and involvement in volunteer activities of the Ugnayan ng Pahinungód, the student organizations, and the colleges/units.

A wide range of activities consisting of sports tournaments and wellness activities (aerobics, ballroom dancing, tennis, fencing), native games competitions, exhibits, quiz shows, concerts, stage plays, dance performances, and even community exposure trips were constantly availed of by the students.

The past six years saw a cultural renaissance at UP Manila with the birth of various socio-cultural groups (UP Manila Chorale, UP Manila Gandingan, UP Manila Rondalla, UP Manila Rock

Band, UP Manila Folklorika, Sayaw-Bathala, UP Manila Indayog, and UP Manila Debate Circle).

Basic Needs

To improve delivery of basic services, UP Manila, through PGH, continued to provide free medical check-ups and consultations to students. From 1993-1999, an average of 4,000 students per year were given free dental and medical examinations prior to enrollment. In addition, a total of 7,912 students were given free consultation.

These years witnessed massive strides in infrastructure and facilities expansion which directly benefitted the students. Buildings were constructed for the College of Pharmacy, College of Nursing, College of Dentistry, College of Arts and Sciences (Annex Building), School of Health Sciences in Leyte. College of Public Health Distance Education, while major renovations were done on the College of Medicine, CAS and other units.

UP Manila administration offices directly servicing the students such as the Offices of the Registrar and Cash Divisions were renovated and expanded. Construction of more student facilities such as classrooms, the Multidisciplinary Laboratories, the Sports Science and Wellness Center, upgrading of laboratories, provision of more student lounges, construction of a bigger University Library with Internet access and IT programs such as the EMERALDS, OPAC, and others, were all realized during the six-year period.

Efforts continued to be exerted to improve water supply, canteen services, and to facilitate students' access to dormitories and food establishments. Funds were solicited for the construction of the Student Center which will house all student-related programs and activities such as the University Student Council, Manila Collegian, Department of Military Science and Tactics, and others.

Chapter 4

RESEARCH AND PUBLICATIONS

Research is the lifeline for the creation of knowledge and universities have traditionally been the principal center for research. The faculty constitutes the core for research at the university, and at UP Manila, the members have valiantly endeavored to fulfill this role. However, the primacy of teaching and the multitude of constraints facing researchers have made research work difficult. The challenge, therefore, is to enhance and facilitate research and, use it as course material, yield its practical application, and translate significant findings into policies that lead to the empowerment of people.

Over the past six years, 2,175 research projects were granted/undertaken or an annual average of 363 projects and 1,650 research projects were completed or an annual average of 275 projects. Table 4.1 presents the ongoing and completed research projects of UP Manila from 1993 to the present.

NIH researches are also counted as researches of the faculty from the different colleges. The researches of IO, though part of NIH, were shown as separate entries because IO has been in existence even before the establishment of NIH.

Table 4.1 Research Output

	1993		1994		1995		1996		1997		1998	
	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed
CAMP	1	1	3	6	2	5	11	9	17	5	17	8
CAS	5	4	17	4	31	22	6	1	20	9	8	2
CD	6	4	4	5	0	4	6	0	2	8	7	0
CM	34	23	48	23	38	20	40	11	45	13	37	0
CN	8	12	3	3	9	1	7	5	7	3	6	4
CP	3	1	4	3	7	2	7	6	5	6	8	0
CPH	31	9			33	25	56	8	52	41	37	18
IO	34	7	48	12	42	20	54	1	37	11	51	18
NTTC-HP	4	0			5	2	5	0	4	2	1	4
PGH	181	270	132	197	196	255	265	300	149	103	279	114
TOTAL	307	331	259	253	363	356	457	341	338	201	451	168

Funding support for research increased from P3,023,000 in 1993 to P21,097,000 in 1999, an increase close to 700 percent.

A substantial portion of the research expenditure is generated by the researchers themselves from external sources. Table 4.2 presents the research funding.

Table 4.2 Research Funding (In millions of pesos)

Institute/Program	Source of Funds	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Inst of Ophthalmology	General fund	1,550	1,845	2,565	3,210	3,167	5,728
	Revolving fund	147	110	54	13	85	84
	Others						
	Sub-total	1,697	1,955	2,619	3,223	3,252	5,812
UPM research fund	General fund	1,125	1,250	1,250	1,250	1,250	938
	Revolving fund						
	Others						
	Sub-total	1,125	1,250	1,250	1,250	1,250	938
Inst of Socio-biomedical Research	General fund	90	236	274	310	155	303
	Revolving fund	111	45	546	636	1,314	235
	Others						
	Sub-total	201	281	820	946	1,469	538
Inst of Biotechnology	General fund			5,000	5,000	5,000	3,750
	Revolving fund				82	137	147
	Others						
	Sub-total			5,000	5,082	5,137	3,897
National Institutes of Health	General fund					2,000	9,000
	Revolving fund					1,700	162
	Others					1,600	
	Sub-total					5,300	9,052
Manila Studies Program	General fund						750
	Revolving fund						
	Others						
	Sub-total						750
SUB-TOTAL		3,023	3,486	9,689	10,501	16,408	21,097
Equipment outlay							50,430
Capital outlay			15,095				2,578.30
TOTAL COE		3,023	18,581	9,689	10,501	16,408	74,105.30

In 1993, UP Manila's very limited research budget was used principally to support the Institute of Ophthalmology, the Manila Studies Program, and a few research projects. Expenditure for the University Library was included as a research expense. The faculty was expected to look for their own research fund and make do with available research facilities.

By 1998, 37 research projects were funded directly by research funds from the National Institutes of Health. Table 4.3 shows the NIH research projects from 1995 to 1998. All of these researches were incorporated in the total research output of UP Manila indicated in Table 4.1. Appendix 4A presents the complete list of NIH-funded research projects.

Table 4.3 NIH-funded Research Projects

Institute/Program	1995		1996		1997		1998	
	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed
Ophthal			2		1	1	2	1
Biotech	5		12		13	3	9	2
Clin Epi							1	
Pharm Sc					3		4	
Genetics			1		1		2	
Child Health			1		2		3	3
Health Policy					2		4	
IT research							2	
Bio-engg							1	
Dis Control					1			
Reproduction								
Inf Diseases			3			1		2
Immunology							1	
Men Health			3			2		1
Occ Health					1			
Oncology			2		1	1	2	1
Aging			1					
Disabilities	1		1		3		1	
Comm Health			2		1	1		1
SHSH	1		1	1	2			1

Institute/Programs	1995		1996		1997		1998	
	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed	Ongoing	Completed
Trad Med					2		5	
Nursing								
Oral health								
Reg/Int								
Special project	1		1			1		
TOTAL	8	0	30	1	33	10	37	12

The vision of UP Manila's research program is "to support the national effort to improve the health of all Filipinos by enhancing its capability for health research and development." Three operational tracks were pursued to achieve this mission, namely, research environment development, research human resource development, and research support service development.

Research Environment Development

The centerpiece of the research environment development program is the National Institutes of Health (NIH) which was established by the Board of Regents at its 1094th meeting on January 26, 1996 and by RA 8503 which was signed into law on February 13, 1998. NIH embodies the commitment of the University to research as a coequal function to teaching and service. NIH will serve as the structural, conceptual and organizational embodiment of research in UP Manila.

As a structure, NIH will provide the building, facilities, and environment essential and conducive for research. It is presently located in the 2,000-square-meter historical Bureau of Science building but it is envisioned that a multi-story

building will rise in due time. When fully functional, NIH will have enough space for various research laboratories and for the other needs of researchers. The NIH building shall stand as a symbol of research in the University. At present, many of the institutes and programs are in place within the home units of the lead researchers.

As a concept, the component institutes and programs of NIH will be mission-oriented and problem-directed. The NIH institutes and programs may be categorized into: (1) those oriented on disease process or vulnerable groups, and (2) those oriented based on technology or professional expertise. To date, the NIH's component institutes and programs are as follows.

A. Disease Process/Vulnerable Group

1. Institute of Ophthalmology
2. Institute of Human Genetics
3. Institute of Child Health and Development
4. Aging and Degenerative/Metabolic Diseases
5. Human Reproduction
6. Infectious Diseases

7. Immunological Diseases
8. Mental health
9. Prevention and rehabilitation of disabilities
10. Occupational health
11. Oncology
12. Oral health

B. Technology/Professional Expertise-based

1. Institute of Biotechnology
2. Institute of Clinical Epidemiology
3. Institute of Pharmaceutical Sciences
4. Institute of Health Policy and Development Studies

5. Center for Disease Control
6. Complementary and Traditional Medicine
7. Computer Research and Information Technology for Health
8. Medical Bioengineering
9. Nursing Development
10. Social and Humanistic Studies in Health
11. Community Health Development
12. Regional and International Health

The locations of the above NIH component institutes and programs is shown on the table below.

Table 4.4 Directory of the National Institutes of Health

OFFICES		INSTITUTES/PROGRAMS		STUDY GROUPS
Executive Director	NIH-101	Inst of Ophthalmology	PGH-W12	Acquired Immuno-deficiency Syndrome
Conference Room	NIH-103	Inst of Socio-Biomedical Research	NIH-111	Acute Respiratory Infection
Office for Research Services	NIH-105			Blindness
Study Groups	NIH-106	Inst of Biotechnology	NIH-107	Cardiovascular Diseases
MMHSC	NIH-108	Inst of Clinical Epidemiology	CM-Annex 2	Child Abuse
PCHRD	NIH-108	Inst of Pharmaceutical Sciences	Pharmacy	Chronic Obstructive Pulmonary Diseases
		Inst of Human Genetics	NIH-210	Dental Health
		Inst of Child Health & Human and Development	NIH-201	Diabetes Mellitus
LABORATORIES/SUPPORT UNITS				Diagnosic Kits/Tools
Animal Room	NIH-118	Inst of Health Policy & Developmental Studies	NIH-106	Diarrheal Diseases
Animal Room	NIH-214			Economics of Health Care
Animal Room	NIH-215			Environmental Sanitation
Animal Room	NIH-216			Expanded Program of Immunization
Animal Room	NIH-218	PROGRAMS		Family Planning
Bacteriology Laboratory	NIH-205	Aging & Degenerative Disorders	PGH-W1	Health Informatics
Chemistry Laboratory	NIH-209	Community Health & Dev	NTTC-	Health Promotion and Education
Cybernook	NIH-109	Complementary & Traditional Medicine	NIH 210	Herbal Medicine
Cytogenetic Laboratory	NIH-207	Computer Research & IT for Health	CPH-	Human Resource
Freezer/Cryogenic Room	NIH-119	Human Reproduction		Hypertension
Gene Bank	NIH-121	Immunology	PGH-W16	Liver Studies
Immunology Laboratory	NIH-114	Infectious Diseases	NIH-113	Malaria
Insectarium	NIH-202	Information Center for Disease Control	NIH-112	Maternal Care
Locker Room	NIH-221	Medical Bioengineering	CPH-	Medical Devices
Media Room	NIH-212	Mental Health	PGH-SP	Mental Health
Microscopy Room	NIH-203		PGH-W7	
Molecular Biology	NIH-123			
Newborn Screening Lab	NIH-204			
Photography/Dark Room	NIH-211			

OFFICES		INSTITUTES/PROGRAMS		STUDY GROUPS
Radioisotope Laboratory	NIH-206	Nursing Development	Nursing	Neonatal Care
Reception Room	NIH-125	Occupational Health	CPH-Annex 1	Nosocomial Infection
Staff Lounge	NIH-200	Oncology	Cancer Inst	Nutrition
Sterilization Room	NIH-213	Oral Health	Dentistry	Nutritional Products
Stock Room	NIH-219	Prevention & Rehabilitation	CAMP-	Occupational Health
Tissue Culture Laboratory	NIH-116	of Disabilities		Oncology
		Regional & International	NIH-106	Organization & Management
		Health		Rational Drug Use
AFFILIATE LABORATORIES		Social & Humanistic	NIH-106	Reproductive Health
Biochemistry Research Lab	CM-Annex 1	Studies in Health		Schistosomiasis
Medical Research Lab	PGH-LCB			Sexually Transmitted Disease
Microbiology Research Lab	CPH-	LEGEND:		Special Marginalized Groups
Nutrition Research Lab	CPH-	NIH : National Institutes of Health		Substance Abuse
Parasitology Research Lab	CPH-	PGH : Philippine General Hospital		Touch & Behavioral Dev
Pediatric Research Lab	PGH-W11	CM : College of Medicine		Tuberculosis
Pharmacology Res. Lab.	CM-Annex 1	CPH : College of Public Health		Vaccines
Physiology Research Lab	CM-Annex 1	CAMP: College of Allied Medical Professions		Vector Control

The component institutes and programs are expected to develop a mission-oriented research agenda which will have an impact on the task of improving the health status of Filipinos. Priority research problem areas within the research agenda will be identified and addressed by study groups. Study groups are envisioned to be composed of expertise from within and outside the University. Presently, 38 study groups are in various stages of development. The study groups are

aligned to address the health problem areas identified by DOST-STAND and DOH-ENHR. NIH will involve everyone while assuring complementation of efforts and the utility of the research output.

The Institute of Socio-Biomedical Research is specifically tasked to oversee the research facilities development of NIH. It will set up and manage the various NIH research laboratories

and coordinate linkage with research facilities at UP Manila and external agencies, such as UP Diliman, UP Los Baños, DOST, and the Metro Manila Health Science Community. The NIH laboratories are envisioned to be self-supporting in that the personal service and MOOE expenditure of the laboratory will come from its generated income. Income will come from user fee charges from research projects using the laboratory.

As an organization, NIH will integrate and coordinate the research programs of the University. The NIH shall be composed of component institutes and research programs. A research program may be converted into an institute when (1) it has developed a critical mass of interested and committed scholars, (2) produced a research-based literature, and (3) achieved recognition in the scientific and professional world.

The goal is to develop the organizational and managerial mechanism which will encourage and facilitate effective research endeavors. It will harness the talent and creative minds within and outside the University; it will deload researchers from the nonproductive task associated with funding and implementing research projects; and it will assure dissemination and utilization of research output for the benefit of the people.

NIH will complement the other research structural units within the University, namely, the University Research Council, the Office of Research Services, the College Research Committee and research facilities, and the National Graduate School for the Health Sciences.

The University Research Council (URC) was reactivated. It is composed of the Chancellor as Chair, the Assistants to the Chancellor, the College Research Committee Chairs, and the

NIH Institute Directors/ Program Leaders. It recommends research policies and the research agenda for the University to the Chancellor. It has a Technical Review Committee, an Ethics Review Committee, and a Financial Review Committee. In addition, it also has a Research Human Resource Development Committee, Research Facilities Development Committee, and Research Management Committee.

The Office of Research Services (ORS) acts as the secretariat of the University Research Council and provides research management assistance to the researchers. It handles the processing of research project proposals submitted to NIH, assists in fund sourcing, assists researchers to comply with university and government rules and regulations, maintains a data bank on all ongoing and completed researches, and assists in the dissemination and utilization of research output. It also oversees the implementation of Executive Order No. 247 – Prospecting of Biological and Genetic Resources. The ORS has published a research manual and continue to develop processes and procedures to streamline research management.

The College Research Coordinator serves as the link between NIH and the colleges. The College Research Committee is primarily concerned with research human resource databanking and development, research project proposal technical review, research project monitoring, and assistance in research output dissemination and utilization. Note that a faculty researcher may have personal projects, projects with an external agency, projects with the College, and/or projects with NIH.

NIH will provide the research support needs of the graduate programs of the National Graduate School for the Health Sciences. The University will encourage graduate students to

select their thesis topic from within the NIH institutes and study group research agenda, thereby contributing more meaningfully to the solution to health problems.

Research Human Resource Development

The research human resource development program focuses on research methodology and technology development. The university considers the faculty as its primary pool of researchers and, as such, various methods to enhance their research capability are used.

1. *Research methodology course.* This is a one-week formal training course whose output is an actual research project proposal. Funds are provided to implement the research project, assisted and supervised by the trainers.
2. *Research management course.* This is a short formal course designed to enable researchers to manage their project effectively and efficiently.
3. *Fellowship program.* The Japan Society for the Promotion of Science (JSPS) - DOST program provided our faculty with the opportunity to spend some time with Japanese scientists. It made possible joint research projects, gave the opportunity to learn new research technology, and provided an exposure to research as it is done in a foreign country. Some 150 of the staff availed of this opportunity in the following medical science fields.

- Anatomy
- Anesthesiology
- Biochemistry/Molecular Biology
- Biology

- Cardiovascular Anesthesia
- Chemistry
- Community Medicine
- Food and Nutrition
- Gastroenterology
- Health Research Management
- Hematology
- Hepatology
- Immunology
- Infectious Diseases
- Internal Medicine
- Medical Microbiology
- Neurology/Psychiatry
- Obstetrics and Gynecology
- Oncology
- Ophthalmology
- Otorrhinolaryngology
- Parasitology
- Pathology
- Pediatrics
- Pharmacy
- Pharmacology
- Physiology
- Population Study
- Preventive and Social Medicine
- Surgery
- Tropical Medicine
- Surgery
- Tropical Medicine

1. *MS/PhD program.* The program encourages and provides the opportunity for the faculty to obtain a master's or doctoral degree, whether here or abroad. The goal is that at

least 75 percent of the faculty should have a master's or doctoral degree.

2. *Coinvestigator in research projects.* Junior faculty members are encouraged to work as coinvestigator in research projects. In the process, they are exposed to research work and they acquire a research track record which will better qualify them to seek external sources of funds.

Recently, UP Manila generated seven research faculty items. A research faculty is expected to do research and teach six-units per semester. At present, the university is experimenting in utilizing these items in a variety of ways, such as (1) taking into the system young and highly qualified individuals who may otherwise be lost because of the absence of regular faculty items; (2) using an item as a loan item to a College that would like to give a research credit load to its faculty but could not because of teaching load requirement deficiency; and (3) utilizing an item as a loan item so that a faculty member can devote himself fully to research.

Many of our baccalaureate degree programs require a research project as a course requirement. Research study is required of all residents and fellows training at the Philippine General Hospital. All master's and doctoral degree programs require courses on research methodology and a thesis or dissertation for some.

Finally, the university is in the process of developing a research human resource data bank. The data bank proposes to capture the individual's various expertise gained from formal and informal training, experience, and special interest.

Research Support Services Development

The university's research support service development program is focused on assuring the relevance and the technical quality of the research project, providing facilities and funding for research, and minimizing and providing administrative support for the researcher.

The relevance and technical quality of the research project is screened at one or more of the following levels: college research committee, institute or program level, and/or URC Technical Review Committee. The objective is to assure that the proposed project is aligned with the research agenda, pass the test for an evidence-based research, and meets ethical requirements.

A number of research laboratories have been established and there are plans for the activation of more in the future. The laboratories currently functioning are the following.

- Molecular Biology Laboratory
- Immunology Laboratory
- Newborn Screening Laboratory
- Cytogenetic Laboratory
- Speech Laboratory
- Cybernook
- Animal House
- Insectarium

Soon to be upgraded are the Molecular Genetic Laboratory, the Nutrition/Chemistry Laboratory, and the Bacteriology Laboratory.

The supportive roles of the URC Committees, College Research Committees, Office of Research Services and Institute of Socio-Biomedical Research have been previously discussed. Currently under development is the establishment of an Intellectual Property Rights Office (IPRO). This Office will assist researchers in the patenting and copyrighting of their creative work.

Research Dissemination and Utilization

The ultimate goal of research is its dissemination and utilization by being part of the universal pool of knowledge, its

inclusion in course syllabi and practice, its commercialization, and/or its utility as a basis for policies and decision-making. Toward this objective, UP Manila undertook several initiatives such as the following.

Researchers were encouraged to publish and/or present their research output in various local and foreign publications and/or scientific fora. The tables below show the number of researches published in different local and international publications and the papers and professorial lectures delivered in conferences or lecture series. Appendix 4B presents the list of published researches.

Table 4.5 Number of Published Researches

Colleges/Units	1993		1994		1995		1996		1997		1998	
	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign	Local	Foreign
CAMP	1	1		1					1			
CAS	1		1		2	6	4	2	8		3	1
CD	1		5		2			1	1		3	1
CM	35	5	9	10	3	5	23	4	35	14	27	12
CN											8	
CP					1	2	3		3	3		5
CPH	1				2		4		10	12	2	2
IO	7		17		5	1	5	2	2		4	1
NTTC-HP	2				1				6			
PGH												
TOTAL	48	6	32	11	16	14	39	9	66	29	47	22

Table 4.6 Number of Papers and Professorial Lectures Delivered

Colleges/Units	1993	1994	1995	1996	1997	1998
CAMP	2	2	3	5	3	1
CAS	8	16	23	18	20	11
CD						2
CM	11	29	33	24	28	29
CN					1	
CP			2	4		
CPH	2	5	1	2		3
IO	7	12	5	1	11	21
NTTC-HP	3	3	3	3	6	8
PGH					7	1
TOTAL	33	67	70	57	76	76

In addition, UP Manila organized the yearly **Innovators Fair** and the **Research Poster Contest** in 1994.

The winners in this activity were included in the Annual DOST S & T Fair. Table 4.6 lists the winners in these activities.

Table 4.7 Innovators-Innovators Fair and Research Poster Contest Winners

Year	Innovators-Innovators Fair	Research Poster Contest
1994	<p>Number of exhibitors – 12</p> <p>First Prize Dr Rafael Bundoc <i>Locally Manufactured Continuous Passive Motion Machine</i></p> <p>Second Prize Prof Ileana Cruz and Lilian delas Llagas <i>Efficacy of Some Philippine Botanical Extract Against Medically Important Mosquitoes</i></p> <p>Third Prize Dr. Leticia Barbara Gutierrez <i>Formulation of Akapulco Lotion</i></p> <p>Consolation Prizes Prof Imelda Peña <i>An Antimicrobial Topical Preparation from the Leaves of Prosopis vidaliana Nave</i></p> <p>Dr Angelita Reyes and Dr Grace Fe Yu <i>Isolation, Purification and Characterization of Urease from Pigeon Pee (Cajanus cajan)</i></p>	Number of exhibitors –
1995	<p>Number of exhibitors – 10</p> <p>First Prize Dr Norberto Meriales <i>Biomechanical Testing of a New Mini External Fixator Fractures of the Hand</i></p> <p>Second Prize</p>	Number of exhibitors –

	<p>Dr George D. Reyes <i>A Cost-effective Infant Ventilator Compatible for the Provinces and Rural Areas</i></p> <p>Third Prize Dr Camilo C. Roa, Jr <i>The Pulmo I Ventilator</i></p> <p>Honorable Mention Ms Josephine Manansala and Mr Deogracias Reyes <i>The Protective and Healing Capabilities of Green Unripe Plantain Banana against Indomethacin-induced Gastric Ulcer in Rats</i></p> <p>Dr Mildred B. Oliveros <i>Zingiment and Zingisol</i></p>	
1996	<p>Number of exhibitors – 8</p> <p>First Prize Dr Rafael Bundoc <i>Locally Manufactured Human Bone Replica</i></p> <p>Second Prize Dr Simeon Pleta, Dr Feriza Luna, Dr George Reyes, Dr Abundio Bulgos <i>A Cheaper Life Support Alternative</i></p> <p>Third Prize Prof Marcelino Panganiban <i>Tennis Stroke Trainer</i></p> <p>Consolation Prizes Dr Salvador Vlllanueva, Dr. Mario Festin, Ricardo Manalastas, Jr. <i>Early Repair of Episiotomy Dehiscences</i></p> <p>Dr Jose Anthony Jocson <i>Honey in the Management of Wounds with Exposed Bone</i></p>	<p>Number of exhibitors –</p> <p>First Prize <i>Impact of NPCIS on Poison Control and Management</i></p> <p>Second Prize <i>Omega-3 Fatty Acid Therapy in Filipino Children with Chronic Glomerular Disease</i></p> <p>Third Prize <i>Home-based Mother's Record as a Teaching Tool</i></p>

<p>1997</p>	<p>Number of exhibitors – 11</p> <p>First Prize Dr Edward HM Wang <i>Unmatched Bone Transplantation in Limb-saving Surgeries</i></p> <p>Second Prize Dr Edgard MT Eufemio <i>A Biomechanical Analysis of a Fiberglass Reinforced Plastic Ring Fixator</i></p> <p>Third Prize Dr Orlando O. Ocampo <i>A Simplified Blood Warming Device</i></p> <p>Fourth Prize Dr Ronald dela Cruz <i>Adapted Chair - Parapodium</i></p>	<p>PROFESSIONAL/FACULTY CATEGORY Number of exhibitors – 10</p> <p>First Prize Dr Corazon Ngelangel <i>Cost Effectiveness of Breast Exam as a Cancer Screening Strategy in the Phils.</i></p> <p>Second Prize Dr Nina Barzaga <i>Genotype analysis of HIV isolates from risk groups in Metro Manila</i></p> <p>Third Prize Dr Corazon Ngelangnel <i>HPV Types Causing Cervical Vancer in the Philippines. A Case Control Study</i></p> <p>STUDENT CATEGORY Number of exhibitors – 9</p> <p>First Prize Dr Eric Arcilla <i>Polivindylene Plant as an Alternative Dressing for Skin Raft Donor Sites</i></p> <p>Second Prize Dr. Eric Arcilla <i>The Filipino Hand as a Percentage of Body Surface area. Defining a gold Standard with the Aid of Medical Informatics</i></p> <p>Third Prize Dr Ma. Isabel Trapaga <i>Effect of Enteral Administration of Soybean Emulsion in Malnourished Rats</i></p>
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1998	<p>Number of exhibitors – 8</p> <p>First Prize Dr Richard C. Kho <i>A Modified Closed-circuit TV Unit for Low Vision Patients</i></p> <p>Second Prize Dr Eduardo C. Lim, Ernesto Domingo, Ms Lolita Cavinta <i>Modified Micro Particle Agglutination Method for Screening Antibodies to hepatitis C virus using 5-μl reagents: Reduction of Cost and Time with High Sensitivity and Specificity</i></p> <p>Third Prize Dr Teodoro Herbosa, Dr Irene Punzalan, Augusto Teodoro, Jr <i>A Modified Cervical Immobilization for Suspected Cervical Spine Injuries in the Prehospital Setting</i></p> <p>Fourth Prize Dr Mildred Oliveros <i>A Study on the Larvicidal Activity of <i>Persea americana</i> Miller (Avocado)</i></p>	<p>First Prize Nelia Maramba, Erle Castillo, Allan Dionisio, Carissa Dioquino, Kenneth Hartigan-Go, Irma Makalinao, Lynn Panganiban, Joselito Pascual, Lorenzo So, Lorenda Suplido, Jeanne Castañeda, Aileen Manglicmot, Antonio Osuna <i>Assessment of the Impact of the NPCIS on Poison Control and Management</i></p> <p>Second Prize Agnes Alarilla, Carmelo Alfiler, Joel Elises, Marvin Callanta <i>Omega Three Fatty Acid Therapy in Filipino Children with Chronic Glomerular Diseases</i></p> <p>Third Prize Amor Ballestero <i>Home-based Mother's Record: A Tool for Teaching Mothers about High-risk Pregnancy</i></p>
1999	<p>First Prize Marlon Torrento, Mark Anthony Sandoval, Lex Badayos, Debbierey Bongar, Manny Roehl Allan Bumanglag, Christopher John Co, Raya Constantino, Simonette Cordero, Dino Oliver Foronda, Ernesto Golez III, Lee Martin Jaranilla, Khristine Lanuza, Mariano Librojo, Lee James Maratas, Jose Martinelli Nadal, Ma. Princesa Obieta, Lady Christine Ong Sio, Almira Onia, Leopoldo Jose Ma. Picazo, Benjamin Angelo Quiamco, Primitivo Rimando, Lourelei Sabio, Roy Eugene Tabigoo, Tersita Tolentino, Prof Tersita De Guzman (Research Adviser) <i>The Vial-Formazan Method: A Rapid Colorimetric Screening Test for Glucose-6-Phosphate Dehydrogenase Deficiency</i></p> <p>Second Prize Ellen Lee, Brian Bicomong <i>The Cost-effective Metabolic Cage</i></p> <p>Third Prize Dr Mariano Caparas, Dr Filipina Cevallos, Dr Regie Lyn Santos <i>Spring Vacuum Drain: A Closed Suction Drainage System for Head and</i></p>	<p>APPLIED CATEGORY</p> <p>First Prize Dr Antonio Dans, Dr Bernadette Tumanan, Dr Miriam Timonera, Dr Celina Torres, Dr Francisco Tranquilino, Dr Jose Armand Gurango <i>Comparison of Physicians' claims and actual practice in the management of hypertension</i></p> <p>BASIC CATEGORY</p> <p>First Prize Marlon Torrento, Mark Anthony Sandoval, Lex Badayos, Debbierey Bongar, Manny Roehl Allan Bumanglag, Christopher John Co, Raya Constantino, Simonette Cordero, Dino Oliver Foronda, Ernesto Golez III, Lee Martin Jaranilla, Khristine Lanuza, Mariano Librojo, Lee James Maratas, Jose Martinelli Nadal, Ma. Princesa Obieta, Lady Christine Ong Sio, Almira Onia, Leopoldo Jose Ma. Picazo, Benjamin Angelo Quiamco,</p>

	<p><i>Neck Surgeries</i></p> <p>Fourth Prize Dr Augusto Teodoro, Dr April Llaneta <i>Quick-Access Medical Pouch</i></p>	<p>Primitivo Rimando, Lourelei Sabio, Roy Eugene Tabigoon, Tersita Tolentino, Prof Tersita De Guzman (Research Adviser) <i>Development of a Rapid, Colorimetric Screening Test for Glucose-6-Phosphate Dehydrogenase Deficiency: A Preliminary Study</i></p>
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In 1995, the maiden issue of the quarterly *UP Manila Journal* was published. The journal, together with the *Acta Medica* of the College of Medicine and College Public Health, are intended to provide researchers a medium for the publication of their research output. We look forward to these publications being included among the indexed peer-reviewed journals.

The health policy and strategic planning group has held several **round table discussions** (RTD). The purpose of the RTDs is to bring together the various stakeholders of an issue, present research-based data, facilitate discussion among the stakeholders, identify research gaps and consensus for policy recommendations. *UP Manila* is viewed by the various stakeholders as academically minded and neutral, thus various agencies have begun to procure the services of the group to conduct consultative meetings for them. The following round table discussions have been conducted by the group.

1. Privatization of Health Services (Sept 19, 1996)
2. Measles Immunization: Tigdas, Paano Makaliligtas (Feb 21, 1997)
3. Patakaran para sa Tubig at kalusugan (Oct 30, 1997)
4. Vital Link: Consultation Conference on Health and Environment-Policy Impact in the Philippines (April 15, 1998). Jointly sponsored by the Department of Health

5. Stimulating Health Care Reform from the 90s to the next Millenium: The Role of the National Health Insurance Law and Recent Policy Changes (April 22, 1998). Jointly sponsored by the Social Health Insurance Networking and Empowerment
6. Tungo sa Makabuluhang Paggamit ng Gamot sa Komunidad (July 22, 1998)
7. Bioethical, Environmental and Technical Concerns in Animal Experimentation (July 29, 1998). Jointly sponsored by the National Academy of Science and Technology
8. The Effect of Devolution on Health (Sept 30, 1998)
9. Stimulating Health Care Reform from the 90s to the Next Millenium: The Role of Formal Health Providers in Philippine Health Care Reform (Nov 4, 1998)
10. Consultative Meeting on the Proposed Implementing Rules and Regulations of the Animal Welfare Act (Dec 9, 1998)
11. Health Human Resource Development: The Nursing Dilemma (Feb 24, 1999)
12. Rubella Immunization: Should the Government Spend (March 26, 1999) Jointly sponsored by the Department of Health
13. Consultative Workshop in Nutrition (Apr 21, 1999)

The RTDs have facilitated the conduct of research reviews on a variety of health policy topics that were presented as briefing papers during the discussions and which served as state-of-the-art documentation of selected policy issues in the Philippines. These research reviews are publishable contributions which can inform concerned sectors and the public on current public policy discourse.

While the impact of these RTDs cannot be determined this early, their usefulness in defining clear health policy directions have been demonstrated. For instance, the discussion on measles paved the way for strongly recommending to DOH to reconsider its immunization policies in the light of its failure to prevent annual outbreaks.

It was due to this recommendation, according to UNICEF, which led to a serious review of immunization policies in 1997, and consequently to some changes in current immunization practices. As a result, there was no major measles outbreak in the later months of 1997 and early 1998.

The RTD on PATAK sought to revise certain sections of the proposed Water Resource Act of the Philippines to incorporate the need to include health aspects of water provision and thus, ensure public health. Drafts of these provisions were drawn up and submitted to the Department of Environmental and Natural Resources.

In terms of health policy development capability building in UP Manila, the RTDs enhanced the strategic networking and collaboration that has bonded together within the NIH, the component units of UP and key external health policy stakeholders.

UP Manila, through NIH and HPSPP, has emerged as a major player in the health policy development arena as evidenced by the increase in commissioned policy analysis and RTD organization work by partner institutions such as DOH, SHINE-GTZ, PhilHealth, National Academy of Science and Technology, and UNICEF.

Being undertaken are current studies on health human resource development in various fields of health which started with nursing human resource.

As mentioned before, the goal of research is its dissemination and utilization. Researchers are thus encouraged to present their findings in scientific fora and publish in local and international scientific publications.

The faculty has likewise been very active in the publications of books, monographs and occasional papers. Some have contributed chapters in foreign published books. The table below shows the number of such publications while Appendix 4C presents the list.

Table 4.8 Books, Monographs, and Occasional Papers

Colleges/Units	1993	1994	1995	1996	1997	1998
CAMP	1		1		2	
CAS	3		4	6	4	
CD		2	7	5	4	5
CM			15	8		3
CN	6	2		1	2	
CN-DE Module					66	
CP				4		
CPH	1	4	1	4	9	8
CPH-De Module			41	50	95	20
NTTC-HP	3	5	7	6	1	1
IO	6		2			
PGH						
TOTAL	20	13	78	84	183	37

Research Breakthroughs

A. Inventors-Innovators Fair Winners

Every year, the University of the Philippines Manila pays paean to its inventors and innovators for their products and equipment that contribute, in one way or another, to the advancement of science and to the improvement of the people's quality of life. Below are such breakthroughs.

1999

The first prize, the Vial Formazan Method, is an alternative screening test for Glucose-6-Phosphate Dehydrogenase (G6PD)

Deficiency, a congenital defect. This method has advantages over the fluorescence spot test, the standard method being recommended by the International Committee for Standardization and Haematology. The formazan method yields faster results than the fluorescence spot test and it does not require a UV lamp for viewing the results as needed in the spot test. Also, unlike the agar-formazan method, being adopted by the National Institutes of Health in neonatal screening for G6PD deficiency, which results could be examined only after a 24-hour incubation, the results in the new method could be assessed after five to ten minutes of incubation. Moreover, the method is applicable in the field setting.

Innovated by Ellen Lee, Brian Bicomong, et al., the cost-effective metabolic cage got the second prize. Metabolic cages are specialized animal receptacles used for separating solid from liquid wastes. These cages are used to collect urine samples for analysis. However, such cages are expensive. The commercially available Nalgene metabolic animal cage, which is capable of housing one rat, costs P20,250. Its stainless steel stand costs 4,624. Hence, the whole unit costs P24,878. Furthermore, studies requiring such units usually need multiple sample replicates, resulting in the large amount of money required for cages alone. The cost-effective metabolic cage is far cheaper than the commercially available cage but is also effective and can keep three rats at a time. Made of a used five-gallon plastic container, chicken wire, plastic bag, elastic bands, and other cheap materials, the total cost of the cage is only P300, less than one-eightieth of the cost of the commercially available cage. The money used to buy one Nalgene cage that holds only one rat may thus be used to make 80 cost-effective metabolic cages which are enough to house up to 240 rats.

The spring vacuum drain, developed by Drs, Mariano Caparas, Filipina Cevallos, and Regie Lyn Sanots, is an inexpensive alternative closed suction drainage system used in head and neck surgeries. The innovation costs only P350, which is much lower than the commercially available drains such as the Hemovac (P800) and the Jackson-Pratt (P720). The spring vacuum drain has been successfully used in at least 50 surgeries for the past two years.

Physicians, nurses, and medical students as well as field health workers like paramedics, emergency medical technicians, and even firefighters will find the quick-access medical pouch very helpful in doing their tasks in the emergency department or out

in the field. The pouch, created by Dr. Jun Teodoro, is made of sturdy nylon cloth with velco straps. It has pockets and holders of different sizes to accommodate basic medical equipment such as a small flashlight or penlight, ophthalmoscope, otoscope, and basic surgical instruments like scissors, forceps, pick-ups, and scalpel holder. It has pockets to hold a Swiss knife and other small items. It is equipped with a back flap with velcro strip for attachment to the user's belt. Also, the bag does not easily acquire stain and is easy to clean.

1998

The first prize winner, a modified closed-circuit TV (CCTV) unit for low vision patients for visually impaired people consists of locally manufactured mounting device made of wood, metal, and plastic, on which any commercially available videocamera can be mounted to scan a wide variety of reading materials and subsequently projected onto any household television set. It was designed by Dr. Richard Kho. CCTVs are preferred low vision aids for low vision patients for them to regain functional vision.

The second winner is a modified micro particle agglutination for screening antibodies to hepatitis C virus (anti-HCV) using a reduced quantity of testing reagents, 1/5 of the standard amount (5 vs. 25 ul). The modified agglutination has a relatively high sensitivity and specificity and yields a faster result than the ELISA (30 minutes for the new method and 120 minutes for ELISA). This method was developed by Drs. Ernesto Domingo, Eduardo Lim, and Mary Ann Lansang.

Developed by Drs. Teodoro Herbosa, Irene Regudo-Punzalan, and Augusto Teodoro, Jr., the corrugated cardboard-based cervical immobilization device is a cheap innovation

appropriate for the stabilization of the neck in cases of trauma to the neck and suspected cervical and spinal cord injury to prevent their further injury and complications.

The fourth prize winner, a study on the larvicidal activity of *Persea americana* Miller, commonly called avocado, was made by Drs. Mildred Oliveros and Lilian de las Llagas. Crude extracts obtained from the dried mature leaves of avocado were tested. Four dosage forms were formulated: alcoholic solution, pellet, powder, and gel. Of these, the powder is preferred, effecting 100 percent mortality of larvae within 24 hours. It also had a residual effect of 100 percent over a period of 30 days. A 10-gram bottle of avocado powder costs only P15.00. Used in treating water in plant vases, jars, garden fountains, and stagnant waters in the surroundings, the Avocado powder could fight dengue and control or eradicate *Aedes aegypti*.

1997

The "Unmatched Bone Transplants in Limb Saving Surgeries" of Dr. Edward Wang was an answer to the lack of donated bones needed for bone transplantation in many orthopedic cases. Dr. Wang has modified available bones to fit into the skeletal defects of patients. The donated left arm bone can be transplanted into the right arm. The leg bone can be reshaped to fit into the thigh. And lower limb bones have been similarly remodeled to replace upper limb defects.

Dr. Edgar Michael T. Eufemio's innovation of the ring fixator (used by Filipino orthopedists in the treatment of bone gaps and malangulated limbs) called "A Biomedical Analysis of a Fiberglass Reinforced Plastic (FRP) Ring Fixator," offers a

lighter, cheaper, and more radiolucent alternative to the traditional Ilizarov fixator.

A device to warm refrigerated banked blood and prevent hypothermia in trauma patients was produced by Drs. Orlando Ocampo and Joel Macalino. Called the "Simplified Blood-warming Device," it was an effective, yet inexpensive, apparatus which cost less than P500 in contrast to the imported ones which cost approximately P20,000 and up.

The "Modified Parapodium" produced by Ronald dela Cruz is an orthotic device to facilitate the standing of children and adults with lower limb paralysis. The original parapodium, which can be bought only in the US and in other European countries, is made of imported aluminum materials and costs P40,000. The modified version, made of locally available materials like orthoglass, iron, aluminum bar, wood, and leather only costs P 3,000.

1996

Dr. Rafael Bundoc came up with the new process to replicate cadaveric human bones for teaching human anatomy, for biomechanical experimentations, and in training young surgeons in the art of fracture fixation. The "quadrant-bivalved silicone vacuum-treated moulding" was an answer to the lack of cadaveric bones for the medical field to study.

A clinically acceptable alternative to the imported and expensive life support equipment used by critically-ill patients was developed by the Pulmonary Section of the Philippine General Hospital. Named the "Pulmo 2," the low-cost volume-cycled ventilator has all the usual features of the imported kind but is much cheaper. The imported model costs

P200,000 while Pulmo 2 is only P60,000. This device was designed by Drs. Simon Pleta, Feriza Luna, George Reyes, and Abundio Balgos.

The Lawn Tennis Stroke Trainer AN 52491, produced by Prof. Marcelino Panganiban, is a device which can improve a player's overall competence by honing his/her different tennis strokes through simulation of an actual game situation. The trainer is very appropriate especially to those who have limited time, court space, and even money. The device has a practice tennis ball attached to a spring assembly which is mounted on a base. The base has an appropriate weight to keep the entire ball assembly in its upright position. The ball assembly is detachable and can be replaced with those of different heights depending on the desired strokes the player would like to practice. When the player hits the lawn tennis trainer, the spring assembly allows the movement of the ball assembly to swing from vertical position to horizontal, then bounce back to an upright position.

1995

The Biomechanical Testing of a New Mini External Fractures of the Hand, by Dr. Norberto Meriales, is an external fixator for the fractured hand which was designed and created out of locally available, inexpensive, and autoclavable materials. The whole contraction is light, adjustable in all planes, rigid enough to permit early active motion of the hand, and allows further surgical procedures on the hand.

Second placer was Dr. George Reyes's cost-effective infant ventilator (time-cycled and pressure limited) compatible for the provinces and rural areas.

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Dr. Camilo C. Roa, Jr.'s Pulmo I Ventilator functions as a mechanical ambubagger. It is inexpensive and can perform extended ventilation with controlled rates, preset volume, regulated inspiratory flow, oxygen supplementation, and basic alarms. A manual override mechanism allows the unit to be operated during power outages.

Cited as honorable mention were Josephine Manansala and Deogracias Reyes, medical students, for their group's research on "The Protective and Healing Capabilities of Green Unripe Plantain Bananas Against Indomethacin-induced Gastric Ulcers in Rats," and Dr. Mildred Oliveros for her "Zingiment and Zingisol." Manansala, et al.'s experimental study investigated the protective and healing capacities of green unripe plantain bananas and of misoprostol, a PGE analog, against indomethacin-induced gastric ulcers in female Sprague-Dawley rats. Oliveros's winning entry consisted of two pharmaceutical preparations which have both antibacterial and antifungal activities. Both products have been found to be more active against a number of pathogenic bacteria and fungi than some antibiotics and antifungal agents distributed commercially.

1994

The study on "Evaluation of the Efficacy of a Locally Manufactured Continuous Passive Motion Machine in the Management of the Traumatic Post Operative Knee Injuries, by Dr. Rafael Bundoc won first prize the first UP Manila Inventors-innovators Fair held last June 29. The machine was made from locally available materials using basic engineering design and was proven to be effective in rehabilitation knee injuries.

The second prize went to Dr. Lilian de las Llagas and Prof. Ileana Cruz for their study "Efficacy of Some Philippine

Botanical Extracts Against Medically Important Mosquitoes." Of several Philippine medicinal plants tested against malaria mosquito vectors, the researchers found three to be most effective—two repellants (atis and kakawati) and one larvicide (Piper nigrum).

Dr. Leticia Barbara Gutierrez bagged the third prize for her study on "Formulation of Akapulco Lotion" which was part of a bigger study on "Dosage Formulation of Medicinal Plant Constituents." The study involved the formulation of Akapulco lotion from the decoction of Akapulco leaves, *Cassia Alata*, L. The decoction was concentrated and manufactured with suspending agent, humectant, preservative, and solvent to make a lotion.

Winning consolation prizes were Prof. Imelda Peña's study "An Antimicrobial Topical Preparation from the Leaves of *Prosopis Vidaliana* Naves (Family Leguminosae), and Dr. Angelita Reyes and Dr. Gracia Fe Yu's "Isolation, Purification and Characterization of Urease from Pigeon Pea (*Cajanus Cajan*).

B. National Institutes of Health

Biotechnology research has been strengthened with two of the five initial projects extended for another year while four ongoing projects are in the second year of implementation.

These are "Development of Thyroid Stimulating Hormone (TSH) Assay for Screening Congenital Hypothyroidism," "Development of DOT-ELISA utilizing the 30Kda antigen of *Mycobacterium tuberculosis* as a diagnostic kit," "Laboratory and field Studies on the Biological Control Potential of *Culinomyces clavisporus*, *Bacillus thuringensis* and *Bacillus*

sphaericus." Another project "Development of Monoclonal Antibodies Against Serum Transferin for Use in the Immunoassay Detection of Human Serum Transferin" was extended until December 1998.

Four new projects started this 1999, namely, "Field Evaluation of Formulated Avocado Extract Against Mosquito Larvae in the Philippines." "Availability of *Bacillus subtilis* Spores for Use in Population Screening for Phenylketonuria," "Development of Serotyping Reagents for the Detection of Cholera Species," and "the Immunomodulating Effect of the Crude Extracts from *Momordica charantia* and *Tinospora crispa*." The second research has already produced sufficient spores now being used for newborn screening for phenylketonuria and the last two projects have the potential to generate products which are expected to be more relevant and applicable to our setting.

Biotechnology researches were slowly but steadily pushing efforts to develop and improve vaccines for the leading causes of infectious diseases and simple, rapid, highly sensitive diagnostic tests applicable to field conditions.

The completed project on "Genetic Characterization of Human Immunodeficiency Virus-1 Isolates in Metro Manila" determined the genotypes of some 32 HIV-1 isolates from commercial sex workers and other high risk groups in Metro Manila. This work has implications on antiviral therapy and vaccine development. Another project, the "Development of Anti-Hepatitis C Virus Agglutination Assay," came up with a modification of the procedure, thereby effectively reducing the volume of reagents required for the assay, which has great implications in reducing the cost of screening especially blood donations.

Eye researches also got a big boost with the conduct of the study on "Eye Injuries Among Workers of Selected High-Risk Establishments in the Philippines under a P2-million grant from the DOH. The project is a component of UP Manila's National Eye Injury Research Program which consolidates all current efforts on eye injury as basis for the formulation of appropriate preventive measures and treatment strategies.

In addition, the National Eye Injury Registry, the Uveitis National Survey, and the IO Tumor Registry were started to gather and compile data. A number of operation researches and studies on certain aspects of eye health care system is also being undertaken.

Data generated by IO studies were used as basis by DOH in the formulation of the national Blindness Prevention Program.

The Complementary and Traditional Medicine Program started the documentation of the health and healing practices of the Bugkalot people in Quirino and Nueva Vizcaya provinces. Financial assistance was also received from the UPMASA (Delaware Chapter through Dr. Jose Pamintuan) for the inventory of Philippine medicinal plants. Almost completed are the documentation of the Batak, Tagbanua, and Palaan peoples of Palawan with financial support from the Department of Health Traditional Medicine Unit.

The Rational Drug Use Study Group was invited to present two proposals in Yogyakarta, Indonesia. Prof. Cristina Torres, Dr. Noel Juban, Aldrin Santiago, and Rainier Galang developed two research proposals exploring the role of municipal mayors and drug store clerks in the rational use of medicines. The RDU Study Group also held several seminars for community health workers and midwives on the rational use of medicines.

C. CM-PGH

The cancer study aimed to determine the incidence, prevalence, and magnitude of cancer in a hospital and community setting as basis for establishing a hospital-based and population-based cancer registries, assess the effectiveness of preventive measures, and plan a program for cancer services in certain provinces. The results of the study led to the development and implementation of two population-based cancer registries in the Philippines; formulation of DOH Cancer Control Program; and the establishment of scientifically valid and locally relevant therapeutic approaches to the management of specific cancer sites.

To reduce child mortality and morbidity from acute diarrhea, the Diarrheal Disease Research Unit of CM-PGH embarked on several researches to determine the etiology, prevention and management of acute diarrhea among Filipino children. The findings of the studies were used as basis in the development of an improved oral rehydration solution and the formulation of non-oral rehydration therapy and nutrition interventions in acute diarrhea.

The studies on disaster management assessed the significance of disasters in the Philippines and its impact on the victims and to the entire community. Findings were used as basis by DOH in the formulation of the National Mental Health Program. These researches have produced significant breakthroughs which have greatly influenced the formulation and implementation of national health policies and programs.

The overall impact of the hepatitis research program included the provision of bases for DOH in the development of the policy on Hepatitis B immunization,

Other research milestones were the launching of the Child Protection Unit (CPU) and the Touch and Behavioral Development Program under the NIH which are simultaneously service-oriented. Spearheaded by PGH and the College of Medicine, CPU is a collaborative program which aims to provide the highest standards of clinical care for abused children through research and training programs. The TBDP aims to boost the conduct of researches on maternal and infant health care specially on the effects of touch on the health status of children and mothers.

D. CPH

Most of the researches of the College of Public Health were evaluation researches.

A study on eye injuries among workers of select high-risk establishments in the Philippines is one of the major researches being conducted by CPH. Other ongoing studies are on persistent health problems such as HIV/AIDS, leprosy, malaria, tuberculosis, hepatitis, dengue, and paragonimiasis. Several evaluation studies of the government's existing programs are being done on devolution, maternal and child health project, Culsion Leprosy Control and Rehabilitation Program, HIV/AIDS Control Program, and nutrition program. An evaluation of the college's off-campus Master of Public Health program, which was offered in 1996 is being done. More researches on health manpower and health policy were started.

Its researches on lymphatic filariasis is being used by the Department of Health for the development of epidemiological and diagnostic tools for the said disease.

The research on the biocontrol of mosquito vectors has come up with a natural mosquito control measure.

The study on preventive fogging as a dengue vector control has been adopted by DOH and is now being used by six major cities and 11 municipalities of the National Capital Region and will be used by other local government units in controlling dengue.

The Malaria Control Service makes use of the studies on malaria for defining the epidemiology of malaria in the Philippines while DOH is interested in these studies for a sustainable malaria control program.

The clinical epidemiology of pulmonary paragonimiasis served as a baseline data for the formulation of the paragonimiasis control program needed in endemic areas in the country especially in Davao.

Information generated by the schistosomiasis research are being used by DOH and WHO in the formulation of a mass treatment program for schistosomiasis control.

DOH is employing the researches on hepatitis for policy formulation for its vaccination program especially in dosaging Hepatitis C vaccine.

All researches of the CPH Department of Health Promotion and Education are being used as intervention tool in the control of public health diseases specifically the studies on AIDS and leprosy.

Researches on dental public health are being utilized by DOH for its preventive dentistry program while still other researches

are used for policy formulation such as studies on leprosy and health insurance.

Studies on nutrition focus on evaluation of community-based management of nutrition programs which are conducted in collaboration with DOH and on assessment of the knowledge, attitudes and skills of health workers at the regional, provincial and municipal levels as basis for the implementation and restructuring of the government's nutrition programs as well as in the revision of educational materials on nutrition.

In collaboration with CARE Philippines, CPH also conducted an evaluation study of the food security and family planning programs of CARE to institute more improvements. Through the Barangay Integrated Development Approach for Nutritional Improvement (BIDANI), CPH assessed the nutritional status of residents in four barangays in Metro Manila and identified other health problems and appropriate solutions through the health workers in the area which served as basis for NGOs to implement corresponding projects in the barangays such as supplemental feeding and mother's classes.

Other Significant Researches and Their Impacts

Most of the researches that follow were conducted within the six-year period but some of them have started even before 1993, accomplished in phases with corresponding impact and continuing to the present. There was difficulty in dating the start and completion of the researches, hence, they are presented here as aggregate researches within the six-year period and not outlined by year.

The Manila Studies Program of the College of Arts and Sciences is a special program focused on the study of the

heritage of Manila and the problems associated with urbanization. Originally focusing on researches concerning the City of Manila, the Program has expanded its scope to cover issues and concerns in Metro Manila and other urban centers within the Philippines and around the Asia-Pacific Region. Its program focus now include urban development, ecological waste management, history, culture and arts, women's studies, and policy studies. The accomplishments of MSP from 1993 to present were on reasearch agenda setting, research linkages, research capability building, resource generation, publications of researches, and conduct of varied researches.

Acclaimed as the leading medical institution in the country, the College of Medicine has likewise excelled in research with relevance to the health of the people.

The College of Nursing (CN) has undertaken studies on the knowledge on AIDS, quality of life, compliance to medical regimen, and health-seeking behaviors. Several studies have been done on the needs of particular/ population groups like the elderly, women, children, cultural minority groups, and overseas Filipino women workers.

As a leader in nursing, CN has also done a number of studies on health services management. Majority of the studies were on evaluation of services both in the hospital and in the community; impact evaluation of health projects; and program development and evaluation. Studies have also been done on the social and economic dimensions of health and illness particularly on social access indicators, social and cultural factors in the prevention and control of selected costly diseases, costing of nursing services, family coping with a

member who has mental illness and correlates of infant and child mortality.

The faculty of the College of Pharmacy has undertaken various researches on the design of drug delivery systems, bioactive components of fruits as insecticides and antimalarials, and biological studies on natural products like Kakauating Ligaw and Mansanitas.

A research-intensive unit, the College of Public Health has conducted research focusing not only on biomedical, sociocultural, economic, and behavioral aspects of health problems but also methods on health care delivery, development of models and procedures in the management of health services, information, systems, and disease control and prevention.

The researches done by the College of Allied Medical Professions and the College of Dentistry have been geared towards development of teaching materials.

The Institute of Ophthalmology which institutionalized UP Manilas's commitment to research in ophthalmology, has continued its role as the center of eye research in the country and its relevance in the formulation of the Department of Health's Prevention of Blindness Program. Its researches cover various aspects of the causes of ocular morbidities and blindness in the country which include characterization, prevention, diagnosis, treatment, epidemiology and statistics, basic studies and certain aspects of the eye health care system.

The National Teacher Training Center for the Health Professions undertook a nationwide study on "The Attitudes and Values of Filipino Medical Teachers Toward Teaching."

National impact

Our parameters for considering the national impact of every research output are: (1) when it becomes part of the universal pool of knowledge thereby cited by other researchers in the world; (2) when it becomes input for locally produced syllabi and teaching materials; (3) when it becomes a basis for evidence-based good clinical practice by the health professions; (4) when it is commercialized thereby reducing the cost of health care; and/or (5) when it gets used as basis for policy formulation and decision-making.

- The UP Manila Library has been producing the *Philippine Index Medicus*, a collection of the research output by Filipino published in local and foreign journals from 1917-1995 in seven volumes. The latest volume is planned to be converted to electronic media and made accessible via the Internet.
- Research output are being utilized as input to local textbooks and monographs with a Filipino character.
- UP Manila's produced textbooks and instructional manuals are being used by other academic institutions as standard text or reference materials.
- Evidence-based researches are used by health professional groups as materials for the formulation of good clinical practice guidelines.
- Five herbal medicinal formulations are already being commercialized, namely: lagundi for cough and asthma, yerba buena for pain, sambong for mild hypertension, tsaang gubat for colic, and akapulco for tinea infection.
- Diagnostic kits for hepatitis-B and hepatitis-C have been developed.
- Several research-based program recommendations have been adopted by the Department of Health, namely, oral

- rehydration for diarrhea, hepatitis-B vaccination, and blindness prevention program.
- Legislative and policy formulation initiatives are beginning to be recognized by decision-makers, such as the following:
 - Modification in the measles immunization schedule
 - Inclusion of the health aspect and the sanitary inspector in the Water Resource Act of the Philippines
 - Inclusion of the health aspect in environmental policies
 - Proposed revisions in the Philippine Health Insurance Corporation implementing rules and regulations
 - Recommendations to enhance the implementation of the National Drug Policy
 - The need for strategic planning for nursing health human resource development
 - Inclusion of rubella in the immunization program

Chapter 5

EXTENSION SERVICES AND PAHINUNGÓD

Through extension services, UP Manila exemplifies its goal of service to the nation. UP Manila is certainly one of the learning institutions which provides the greatest variety of community programs that address the needs of underprivileged and disadvantaged sectors of the population. Through these services, UP Manila exerts a direct impact on the health and living conditions of the people especially those in far-flung areas. These services are rendered by all sectors of the University – the students, the faculty members, and the non-teaching staff.

Highly complementing its academic and research functions, these services provide the students with good learning opportunities and the venues to apply theories learned in the classroom. At the same time, they are able to reach out to the larger community by sharing their time, efforts, and resources in helping people in these communities identify and address their problems.

These extension programs include the direct health care services provided by the Philippine General Hospital (please see separate report), the different missions and activities of the Ugnayan ng Pahinungód, the provision of non-PGH based services which include the community-based programs of each college, the continuing professional education activities being carried out both at the University and college levels, the technical services rendered by faculty members in the form of consultancies and secondments, and the database and information services provided to other institutions.

Community-based programs

To enable UP Manila students to have a clear grasp and deeper understanding of problems and living conditions in the communities and to develop and inculcate in them the value of serving others, the various colleges implement community-based programs which are an integral part of their respective curricula.

These programs are constantly reviewed and strengthened to make them more responsive to the needs and conditions of the communities where these are implemented.

Examples of such programs which continue to exert a direct impact on the lives and health status of the communities are the Community-based Rehabilitation (CBR) program of the College of Allied Medical Professions in Montalban, Rizal, the Community Health Development Project (CHDP) of the College of Public Health in Cavite and in Pandacan, Manila, the community-based program of the College of Medicine in Laurel, Batangas and of the College of Nursing in Pila, Laguna, the Botika sa Barangay project of the College of Pharmacy, the community dental outreach project of the College of Dentistry, and the Field School Program of the College of Arts and Sciences.

A bronze awardee of the Department of Health's Health and Management Information System, the CBR program stands as one of the landmark community-based programs of UP Manila

in bringing health services to the Filipino with disabilities and in the prevention and rehabilitation of disabilities. For more than eight years now, the CBR program has been proving that rehabilitation services need not be confined to big hospitals and dependent on professional therapists because under the program, family members and the community workers are actively involved in rehabilitating people with disabilities (PWD). In effect, CBR's primary goal is the empowerment of PWDs together with the family and the community.

A similar improvement in the health status of the residents of six towns of Cavite and in Pandacan, Manila brought about by an increased awareness of basic health practices and public health concepts was generated by the CHDP which has been going on for many years now. Funded by the German Agency for Technical Cooperation (GTZ), the project aims to enable public health students to test the application of theories to actual field situations, and at the same time, improve delivery of health services in these communities.

The project was able to train all provincial health staff in Naic, Ternate, Maragondon, Magallanes, Alfonso, and General Aguinaldo in Cavite provinces, increased people's awareness and availment of health services and paved the way for the introduction of income-generating projects like hog-raising, cattle fattening, and others.

The College of Medicine implements the Community-based Health Program (CBHP) in Laurel, Batangas where Year level 7 students are fielded in the community to help make the people self-reliant in their health needs. In 1998, the program was expanded to include the town of Sto. Tomas for the medical students' immersion activities. In the same year, the

Committee on Community-oriented Medical Education (COME) started implementing COME hours in which Year level 3 students conduct exposure trips to various health delivery institutions. In addition, almost all academic departments implement community-oriented courses in relation to the subjects being taught at their departments.

A component of this program is the Botika sa Barangay project being implemented by the College of Pharmacy where Barangay Health Workers are trained as pharmacy aides to man the botikas being set up in the area.

The College of Dentistry continued to implement its community dental outreach project among pupils of the Integrated School in UP Diliman and residents of Krus-na-Ligas in Quezon City. Through a program dubbed "Isang Ngiti, Isang Lahi," dental teachers nationwide are being trained on how to enhance their teaching skills on dental care. In 1998, the college implemented a new dental community program at the Asilo de San Vicente de Paul, an orphanage for children and youth aged 6-16 years.

The AKBAY-KALUSUGAN radio program of the College of Nursing aired over DZLB at UP Los Baños is able to reach 23 provinces in Laguna and has attracted 600 enrollees for the community health workers training program. A total of 32 teleconferencing activities were also conducted by the college in three satellite centers: Zamboanga City, Davao, and Bicol, and which were participated in by 2,100, 700, and 840 nurses, respectively, or a total of 3,640 nurses. Teleconferencing activities have also been started with the Cagayan Valley Regional Hospital and several more hospitals are scheduled to be opened in the next few years.

In 1997, the College of Arts and Sciences launched the Field School Program in Tagkawayan, Quezon where students were deployed for four weeks to develop in them a deeper appreciation and understanding of problems in the community; test the relevance of theories learned in the classroom and provide them with opportunities to immerse with the people, learn their problems and aspirations, and their culture and values

Three batches of students have been fielded already in several barangays. The first batch, fielded in February, 1997, and composed of nine students, conducted a study on commercial fishing practices in the province. The third batch, fielded from October 18 to November 5, 1998, conducted ecological assessment studies on river systems, corals, mangroves and undertook studies on commonly used herbal medicines, the social implications of environmental laws, and effects of devolution on health services.

CAS also launched its gender sensitivity program called BAI (Filipino term for the concept of man-woman integration) to foster socially responsible and gender sensitive curricular programs; encourage studies on the health, status, and quality of life of women; assess the impact of scientific and technological development on gender issues; and disseminate these ideas, information, knowledge, and experience especially among workers, educators, scholars, and policymakers.

The Modified Residency Training Program (MTRP) of the Institute of Ophthalmology continued bringing ophthalmologists to the barrios to train physicians on the different aspects of eye care. A total of 32 MTRP residents have been trained from 1993 to 1998 and two more will

graduate in the year 2000. The availability of ophthalmologists in the communities as a result of the MTRP is one of the factors believed to have caused a reduction in the blindness prevalence among Filipinos based on the second national survey done in 1995.

Being the principal advocate and primary supporter of DOH's Blindness Prevention Program, the Institute also trained 1,394 health personnel and 302 physicians under this program.

The step-ladder curriculum education of the School of Health Sciences in Leyte is a whole range of community-based programs. All students spent 50 percent of their studies in the barrios and, as part of the contract, are required to go back to their areas of origin after every step of the ladder for their service leave to implement health action plans firmed up with the faculty's assistance. Usual activities include doing community surveys and diagnosis, conducting information, education, and communication (IEC) works.

An example of a specific town in Leyte where SHS students made an indelible impact in the lives of the people is Sta. Fe which used to be one of the depressed municipalities despite its proximity to Tacloban. It had a high schistosomiasis rate. Mayor Gaudioso Fajardo attributes the improvement of the health conditions of the people to the information dissemination activities of SHS students. Schistosomiasis rates went down and no major disease incidences were reported in the town during the past two years.

At the Philippine General Hospital, various programs that address the health needs of specific sectors of the population are being implemented.

The National Poison Control and Information Service provides clinical treatment of poisoned patients; information service on toxicological data on numerous substances and authoritative data on accepted methods of emergency toxicology and/or laboratory procedures in poisoning; laboratory services for qualitative and quantitative determination of common poison; training on basic and clinical toxicology; and conducts researches and publishes materials on the prevention and management of poisoning cases.

Other extension services PGH undertakes include the Comprehensive Ambulatory Respiratory and Rehabilitation Program for patients with chronic and lung diseases, the Burn Unit, the Child Protection Unit for victims of child abuse, the PGH Women's Desk for women victims of abuse and the Special Psychiatry Unit which were inaugurated in 1998 (*please see separate report*).

The Department of Psychiatry and Behavioral Medicine of PGH opened a community-based Family Care program in Calumpit, Bulacan which was replicated in two other towns where rural health care givers are trained in identifying and managing psychosocial problems to assist the families of mentally ill patients.

Previously mentioned in Chapter 2 (Academic Programs) was the development of a generic Community Health Development Program which utilizes a comprehensive and interdisciplinary approach. The program provides students with opportunities to apply scientific concepts, principles, theories, and practice skills relevant to their particular disciplines in a community setting and to enhance their sensitivity, awareness, values, and attitudes through linkages with and relationships in the community.

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The program was pilot-tested in 1996 at UP Manila and in Pila, Laguna which showed its feasibility and achievability of learning outcomes.

Other non-PGH based services include the rehabilitation services being rendered by CAMP through its Clinic for Therapy Services which has accommodated patients not only in Metro Manila but in nearby provinces as well.

Another is the laboratory testing services being provided by the College of Pharmacy on the efficacy of drugs and the College of Public Health on safety and quality of water, food, biological monitoring of blood, dust sampling and analysis, heat stress monitoring, illumination and noise survey, acid mist monitoring, and many others.

Continuing professional education (CPE)

CPE activities consisted of regular training courses, seminars, workshops, lectures, and similar activities conducted at the University and college levels and participated in by faculty members from UP Manila and other institutions with invited guests and resource persons. These activities serve as venues for the sharing and exchange of experiences and updates in the various fields of health, and provides excellent opportunities for the dissemination of the University's research outputs and products of other scholarly works.

From 1993 to 1999, several international CPEs were organized and conducted by UP Manila. Some of the noteworthy international and national conferences included the following:

- International Symposium on Disasters and Health

- International Conference on Quality of Life Research
- Fourth International Congress on AIDS in Asia and the Pacific
- STD/HIV/AIDS Epidemiology Consensus Workshop
- Pre-4th International Congress on AIDS in Asia and the Pacific
- Seminar Workshop on Quality Management in Health Services
- National Consultative Meeting to Formulate a Research Agenda for Marginalized Filipinos
- Symposium on Hospital Risk Assessment of Child Abuse Cases
- First National Conference on Myths and Legends
- First Training Course on Hospital Licensing
- First International Nursing Research Congress
- The 1st Southeast Asian Ministers of Education Organization Regional Tropical Medicine and Public
- Health Network-German Agency for Technical Cooperation Consortium in Epidemiology
- Symposium on Alternative Waste Management
- Providing Quality Medical Care to the Poor by the RM Awardee Dr. Syed Abidul Hazan Rizvi
- Recent Developments on British Social Policy with Special Emphasis on Financial Services for Disabled Children by the Right Honourable Alfred Lord Morris
- The centennial lectures on the history of the health professions in the Philippines (pharmacy, dentistry, medicine, allied medical professions, public health, ophthalmology)

Regular CPE activities include the postgraduate courses on public health, short courses on occupational health and safety, health education, diagnostic parasitology, diagnostic

mycology, research methods, tropical epidemiology, management of Health Services, and others; the yearly grand scientific symposia and the circuit courses of the College of Medicine, the monthly seminars on teacher training, the regular lectures being held by each department of PGH where updates and recent developments in the field are discussed; the special lectures and symposia held as part of the commemoration of special events such as foundation celebrations, International Women's Day, Human Rights Month, Sight Saving Month, Nutrition Week, Disability Prevention and Rehabilitation Week, and many other events.

Consultancies and Secondments

A number of national and international organizations benefit from the expertise and competence of UP Manila faculty members because many of them serve as consultants to different programs and projects in health and related fields.

Many faculty members in medicine, nursing, pharmacy, and public health served and continue to serve as consultants to several institutions here and abroad such as the World Health Organization, United Nation's International Children's Educational Fund, Ministries of Health of other Asian countries, the Department of Health, Bureau of Food and Drugs, Research Institute for Tropical Medicine, Senate and House of Representatives, other health schools and colleges, other health research institutions, and various government and private hospitals.

Appendix 5 shows the different extension services undertaken by each college of UP Manila.

The Ugnayan ng Pahinungód

Launched in 1994, the Ugnayan ng Pahinungód Manila has helped around 90,000 Filipinos from 1994 to 1998 through its

16 volunteer programs and more than a thousand volunteer workers composed of students, health professionals, and non-teaching staff of the University. Table 5.1 presents the number of volunteers deployed for each program.

Table 5.1. Number of volunteers deployed for each program.

Program	1994	1995	1996	1997	1998	TOTAL
Health missions	134	235	595	466	407	1837
Health training		40	20	24	25	109
Tutorial program		305	335	156	171	967
Summer program		58	53	23	46	180
Disaster Management		30	167	40	279	516
Sports science and wellness consultancy		5	20			25
Hospice care program			12		6	18
Affirmative action program			26	34	32	92
Ecoscouts/Earth camp			30	65	32	127
ER Volunteers program			97	1092	116	349
Program for the streetchildren			64	99	37	200
Teachers training program				10	9	19
Gurong Pahinungód					1	1
Local History					16	16
Service Learning Option					8	8

Partly responsible for the increase in volunteers were the series of orientation workshops conducted to introduce the concept of voluntarism to the constituents. To equip the volunteers with the skills and training needed for volunteer works, a total of 53 seminars and workshops were also conducted from 1994 to 1999.

One of the areas where Pahinungód achieved great strides is in program development. From two programs in 1994 to six in 1995, 16 programs are now being implemented which all underwent extensive efforts in conceptualization, preparation, finalization, and revision.

The Health Missions program and its 285 medical, dental, surgical missions took care of 41,291 patients from Makati to Zamboanga del Sur. The Health Training Program had 62 classes spread over 33 communities of several barangays each from Quezon City to Palawan.

Under the Disaster Management Program, volunteer health workers trained and provided stress debriefing for the caregivers from St. Scholastica and the Social Action Center of Pampanga (SACOP).

The Tutorial Service Program helped 971 students with learning disabilities from eight schools in the Ermita-Malate area.

The Summer Immersion Program rendered 24 missions in 21 rural, underserved communities from Aurora to Palawan provinces. The volunteers gave free clinics, health education classes, socioeconomic surveys, active community participation and organizing, and several livelihood and sanitation projects.

The Disaster Management Program fielded volunteer medical workers to the UP Disaster Response Centers and 13 evacuation centers in Pampanga; offered psychosocial processing to caregivers and high risk individuals; gave health training (and, later on, continuing education) to 39 volunteer health workers (VHWs) from the centers, provided medical assistance to the families there; and implemented, with the help of CPH, a sanitation program in the evacuation communities.

Other DMP activities for lahar-displaced people were offering assistance in livelihood projects (by selling and buying

Pampanga star lanterns), sorting of medicine at the SACOP, and collecting and distributing relief goods. The last three projects of the DMP involved disaster preparedness training for key UPM volunteers (Disaster Response Workshop, Critical Stress Debriefing, and formation of the Fire and Rescue Volunteers Brigade).

Sports Science and Wellness Consultancy Program gave lectures to national coaches, conducted three major workshops in Iloilo City, Cebu City and Caloocan City.

The Hospice Care Program, with the help of the Cancer Institute (CI) and hospice care experts from PGH clinical departments, set up a five-bed inpatient unit inside PGH, held a University-wide information campaign, staged two specialized workshops and training sessions on hospice care, deployed six volunteers in 1998 to assist CI patients, and held a gift-giving and caroling for patients.

The Affirmative Action Program (AAP) helped 625 third year students from 13 underrepresented provinces to improve their academic competencies and increase their chances of entering UP.

From 1996 to 1998, the Teachers Training Program (TTP) helped 185 public high school teachers improve their skills in Math, English, Science, and History.

Under the Local History Program, a History class and volunteer editors and artists saw the publication of *Homecoming: Brief Histories and Special Places*, a joint project of the Ugnayan ng Pahinungód System and the National Historical Institute.

The Ecoscouts Program, before being absorbed into the Expanded ROTC Program of UP Manila, taught volunteers and "tutees" of the Tutorials Program the use and creation of environment-friendly products. As alternative to Ecoscouts, the Earthcamp Program was created which held a symposium and workshop on waste management; implemented a waste management control scheme at the CAS; implemented a tree-planting activity in Gumaca, Quezon; and held a symposium on "Philippine Environment in Crisis."

The ER Volunteers Program had deployed 304 pahinungods since 1996 to assist at the PGH Emergency Room Complex.

The Streetchildren Program, for three years, had been reaching out to the young charges of three partner agencies

(Kanlungan sa ERMA, Kaibigan Outreach Foundation, and the Young Women's Christian Association). It involved the children in two theater presentations which developed self-confidence and creative expressions and earned proceeds which helped in the children's educational expenses. The program also had the kids participate in various youth-oriented activities held at Fort Santiago, Museong Pambata, and Ayala Museum.

To provide students with more opportunities for volunteer works, the Service Learning Option was adopted where volunteer projects were made part of their course activities. The guidelines for the SLO have been finalized through a series of meetings and consultative sessions with the deans and faculty members of the colleges. Table 5.2 shows the accomplishments during the past five years under each program.

Table 5.2. Accomplishments of each program of the Ugnayan ng Pahinungod from 1994-1999

Program	Parameters	1994	1995	1996	1997	1998
Health Missions	No. of volunteers	134	673	1419	1092	1185
	Areas/communities served	12	48	83	45	66
	Provinces served	8	17	21	23	22
	Numbers served	20,000		49000	1300	20,000
Health Missions	No. of missions	15	47	79	61	83
	No. served	2919	7724	9032	7906	13,710
Health Training	No. of sessions	3	15	21	9	14
Tutorial Program	No. served		300	300	200	171
Summer Program	Communities served		7	6	5	12
Disaster Management	Evacuation centers		6	16		
	No. of VHWS trained		13	39		
	Participants of mothers' classes			72		

Program	Parameters	1994	1995	1996	1997	1998
	Caregivers given psychosocial processing		85			
	CISD training		1	1		
	CISD training (participants)		17	23		
	No. of fire and rescue seminars (FRS)					4
	No. of participants to the FRS					236
Sports Science and Wellness	Seminars		3	3		
Hospice Care Program	Patients served					30
Affirmative Action Program	Students trained			147	268	210
Ecoscouts/Earth Camp	Symposia/seminars conducted			3	1	1
	Participants of the sympo/seminars			12	35	175
ER Volunteers Program	Duty hours			970	680	567
	Trained volunteers			97	164	266
Program for Streetchildren	Institutions assisted			3	3	3
	Proceeds of play (P1,000/child)			70	45	
	Children trained			14	18	
	Children served (gift-giving)			100		70
	Other value formation activities			14	18	16
	Volunteers trained				25	20
	Exposed/involved volunteers			64	99	83
Teacher Training Program	Teachers trained			70	60	131

During the past six years, the Ugnayan ng Pahinungód engaged in extensive public information and dissemination activities to inform the constituents of its programs and entice more volunteers. Activities included photo exhibits, production of brochures, newsletters, annual reports, audiovisual materials, and the Pahinungód web page, and production of two volumes of books chronicling the experiences and anecdotes of volunteers titled *Voluntarism in Action: A Pahinungód Journey*.

The 90,000 beneficiaries, though a very big droplet for the cause, is just a small drop in an ocean of underserved Filipinos. The volunteer program still has to reach and mobilize 50 percent of UP Manila constituents, although plans are underway to attract more students and faculty members. At the moment, Ugnayan ng Pahinungód-Manila plans to go on with refined versions of its 13 programs, integrating some when needed by a project.

Chapter 6

HUMAN RESOURCE DEVELOPMENT

UP Manila fully recognizes that its personnel is one of its major assets. It strove to promote personnel welfare through programs that addressed the varied needs of its faculty and staff: basic training, personal and professional growth, values development, cultural activities, healthy and safe environment.

A recognition of its efforts was the Gawad Kalinga Award for "Most Employee-Friendly" government agency under the category "State Universities and Colleges" in 1998. The award was given by the Civil Service Commission and the Convenors Group of the Public Sector Employee Associations. The University consistently reaped runner-up honors during the previous years.

UP Manila was chosen for its strong commitment to promote employee welfare and well-being through its institutionalized programs on career, moral, and values development; continuing provision of wholesome physical and psychological environment; democratic leadership; and most especially, its wisdom in using concern for social responsibility.

Staff Competency development

As of 1998, UP Manila has a total complement of 4,720, and 3,516 of which are administrative staff, 739 are REPS, and the remaining number are faculty. Figure 6.1 shows the staff complement of UP Manila from 1993 to 1998. Appendix 6A

shows the staff complement per unit.

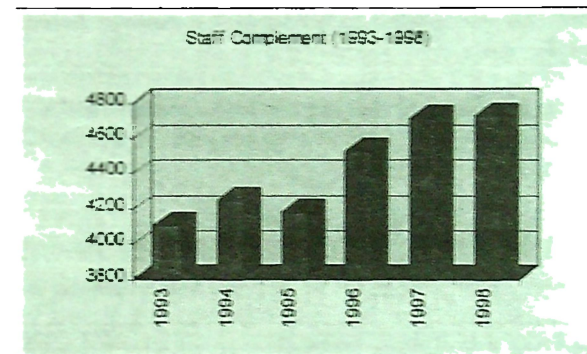


Figure 6.1
Staff Complement of the University of the Philippines Manila
(1993-1998)

UP Manila holds a yearly orientation for new and old faculty members to introduce them to the goals, policies, and practices in the university, benefits and privileges, as well as the responsibilities expected of them. They are also briefed on the rules and guidelines in the conduct of teaching, research and extension. The faculty members are also given sessions on teaching principles, methods, and strategies.

The National Teacher Training Center for the Health Professions (NTTC-HP) of UP Manila conducts more intensive workshops with colleges and units that have specific needs in terms of teaching, evaluation and other instruction-related topics. The Medical Education Unit of the College of Medicine conducts workshops for the teaching needs of medical teachers. The other units are encouraged to hold/sponsor seminars based on their specific needs.

Research competency trainings are also undertaken by the different units to help faculty and researchers update their research skills.

Staff development seminars and courses have also been conducted on computer literacy, technical report writing, stress management, time management, total quality management, and other topics.

Faculty members and nonteaching staff were also exposed to the reality of gender prejudices through an orientation seminar on Gender Sensitivity.

The nonteaching personnel had also benefited from activities organized by the administrative staff development committee. A summary of these activities is indicated in Table 6.1.

Table 6.1 Activities under the Staff Development Program

ACTIVITY	YEAR INSTITUTED	BENEFICIARIES
In-Service Training Program in collaboration with the PGH Training Core	1994	Administrative Staff (The number of personnel involved in the training of programs as reflected in the PGH Personnel Services Division's report also includes the participants from the Academic Units and CAD)
Annual Teambuilding Summer Workshop	1994	Staff of Central Administration
Lecture-Forum on GSIS Benefits	1997	Prospective Retirees from all units of the University
Technical Training Programs outside the campus as per request of unit for official attendance of staff and for payment of training fees	1993	Administrative Staff and REPS
Half-day Study Leave with Pay from the Non-Teaching Personnel	1994	Administrative Staff and REPS
Personnel Effectiveness Audit Program	1998	A Special HRM program of the UP System aimed at establishing in the administrative base level of every campus

Values Development

Recognizing that productivity necessitates a blending of skills, values and attitudes, UP Manila started conducting the Values Orientation Workshop (VOW) in 1994. The focus of the workshop is the human side of productivity, with emphasis on enhancement of positive values and attitudes. The workshop provided the participants a unique opportunity to examine their personal attitudes and values in life, especially those which are relevant to their work, leading to a free, individual decision. Lasting for three days, VOW utilized lectures, plenary sessions, and structured learning experiences to impress on the participants the essence of five basic topics on human dignity, valuing human relations, professionalism and productivity, family and work, and charting personal directions.

A total of 3,552 UP Manila employees have undergone the VOW: 467 in 1994; 1,187 in 1995; 742 in 1996; 692 in 1997; and 434 in 1998.

Chancellor's Committee on Culture and the Arts

If UP Manila is considered a leading institution of learning for the health sciences, it is also slowly being recognized as a center for culture and the arts.

Aside from offering degree and non-degree courses on Filipino arts and culture, it also implements activities to deepen the constituents' understanding and appreciation of the various art forms.

These activities are being implemented by the UP Manila

Chancellor's Committee on Culture and the Arts (UPMCCCA) and through the different colleges/units.

The CCCA was created in 1993 to witness the renaissance of cultural activities in the University and to implement the policies of the UP-wide Committee on Culture and the Arts at the autonomous university level.

The Committee has the following objectives: to encourage and nurture the formation of artistic groups within the University; and to provide leadership in setting the tone, quality, and trends in programming cultural and artistic activities for the communities and region where the campus is located.

To achieve these objectives, the Committee formulates and implements short and long-term artistic and cultural programs designed to develop among UPM students and personnel an awareness of the various artistic forms and an appreciation of their cultural heritage, and enrich their creative and artistic talents; serves as coordinating body that will calendar the various artistic and cultural programs of UP Manila; and promotes and publicizes these activities; and facilitates cultural and artistic exchange of activities among campuses and with art centers.

Through the years, the CCCA has been revitalized to include three sub-committees: cultural enrichment, arts research and inventory and assistance for cultural groups in UP Manila.

The CCCA actively seeks and supports projects that showcase Filipino culture and values. In the past, painting exhibits, poetry readings, mini concerts and other cultural presentations were

organized as part of the University's foundation week celebrations, Christmas celebrations and Centennial celebration and as separate events.

At present, UP Manila constituents have a wide range of art and cultural activities to participate in and many groups to choose from: Gandingan, Folklorika, Sayaw Bathala, Rock Bond, UP Faculty and Staff Choir, Rondalla, Indayog, Anak-Tibawan, Debate Circle, UP Manila Chorale. Through the College of Arts and Sciences,

UP Manila celebrates February as Culture Month which is usually marked by various activities such as lectures, poetry readings, photo contests and essay writing contests, concerts and others.

The list of cultural activities at UP Manila is in Appendix 6B.

Basic Needs

The University sees to the basic needs of the workforce. The faculty and staff enjoyed promotions mainly in 1994, 1995, and 1996 as Table 6.2 shows.

Table 6.2 Number of Promotions

Year	Faculty	REPS	ADMIN	Total
1994	214	22	52	288
1995	499	21	43	563
1996	492	6	84	582
Total	1,205	49	179	1,433

Programs are also in place to take care of the health needs of faculty and staff. These include the provision of free consultancy services and discounts for hospital fees through PGH, 100 percent discount on tuition for employees and their dependents who study at UP, meal and subsistence allowance and hazard pay for PGH employees, provision of a half-day study leave with pay for those studying in UP in fields related to their work, and provision of additional retirement benefits and loans through the UP Provident Fund which also administers the University Health Plan. The conceptualization of this health insurance scheme for UP System employees was spearheaded by UP Manila.

The UP Manila Creche and Child Center was established in June 1994 to provide preschool facilities for children of its employees. The Center has a breastfeeding room where employees can leave their babies and children while they are in the office. The Center gives the babies and kids personal care with emphasis on health and physical growth. Varied introductory educational activities are given to the children. For preschoolers two to six years old, programs are for toddlers, nursery, kindergarten, and preparatory classes. A vertical class is also offered where children attend their regular classes then stay in the center for the rest of the day to allow the parent-employees to accomplish office work and fetch their children after office hours. A total of 433 nursing mothers and children have been benefited by the center: 62 in 1995; 111 in 1996; 119 in 1997; and 141 in 1998.

Safe and Healthy University

In 1995, the WHO emphasized the importance of promoting

healthy lifestyles and health education. Earlier in 1994, the Department of Health has declared all its hospitals as centers of wellness. Congruent to the thrusts of both national and international concerns about health and in the spirit of relevance and globalization, the UP Manila conceived of a "Safe and Healthy University" which encompasses aspects of prevention and promotion of health education, nutrition education, injury prevention, safe water and food supply, fire safety, security, proper waste management and disposal of condemned equipment, cleanliness of the surroundings, pest control, physical fitness, drug prevention and over-all aesthetic quality of the environment around the UP Manila campus. The program seeks to oversee and coordinate existing programs/projects for possible implementation universitywide and to other units/offices in the university with unique needs with special emphasis to marginalized groups or students and employees that are of high-risk for developing health and environmental problems.

Staff Organizations

UP Manila supports the initiative of its rank and file in organizing

sectoral and multisectoral groups in order to highlight their participation in attaining sectoral goals and in enhancing staff welfare and development.

Active groups include the Organization of Non-Academic Personnel of UP (ONAPUP), the All UP Workers' Union and the Researcher Extension and Professional Staff Association (REPSA).

The UP Manila REPSA marked its first anniversary last October with activities such as photo exhibits, a short program, and a raffle. Offices and members also attended the first systemwide REPSA Conference held at UP Los Banos.

Honors and Awards

UP Manila has engendered to create a culture of excellence and generosity. Constituents were encouraged to excel and they reaped awards within and outside UP Manila. UP Manila recognizes the men and woman who brought honor to UP Manila through their University, national and international awards. The list of achievers is in Appendix 6C.

Chapter 7

LIBRARY DEVELOPMENT AND INFORMATION TECHNOLOGY

Collection Development

The library plays a vital role in the advancement of academic and research activities at the University of the Philippines, in particular, and in the country, in general. It provides quality support to the instructional, research, and extension programs of the University. Books, journals, and other library materials relevant to academic and research needs are available both in printed and electronic format.

As of 1998, the UP Manila Library collection stood at 184,144 volumes or 38.18 percent of international standards. There was a decrease of about 5,730 volumes due to the weeding out of unserviceable materials at the Pharmacy Library. The graph shows the growth of the library collection.

In 1993, the library started to acquire electronic reference resources. Some of the databases added to the collection are *Bibliofile*, *Bioethics Time Plus*, *Chembank*, *CINAHL*, *Drug Information*, *Humanities Index*, *Inpharma*, *Social Science Index*, *Science Index*, *Biography Index*, *International Pharmaceutical Abstract*, *MEDLINE*, *OVID*, etc.

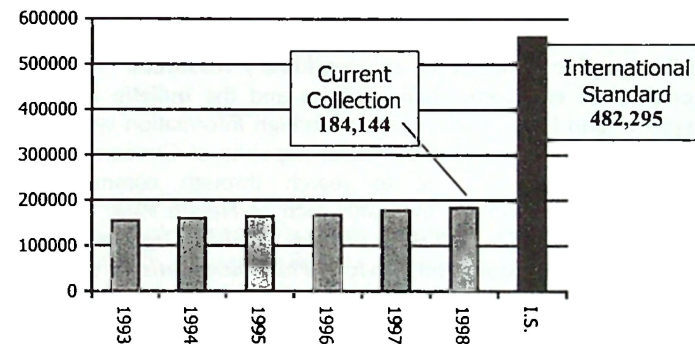


Figure 7.1 Library Collection

Library Services

The Library services are aimed at meeting the various needs of four categories of library users, namely, student, faculty, researchers, and nonteaching staff.

Computerized Library Procedures and Services

The UPM library has achieved tremendous progress in using information technology to facilitate library services and procedures.

In 1994, the College of Public Health library established the first local area network and developed an electronic **bibliographic database of existing library resources**. It also established **electronic mail facilities** and the **bulletin board system**, and linked with local and foreign information systems under a grant given by the Federal Republic of Germany. At present, users are able to search through commercial bibliographic databases in health such as **Health Plan, OSH-ROM, POPLINE, WHOBIS (World Health Organization) Bibliographic Information Services, Philippine Statistics of the National Statistics Coordinating Board and Philippine Health Statistics**.

In 1995, the University Library Manila established an **Integrated Library Management System** using the TINLIB (The Information Library Navigator) under the DOST-ESEP Library Network (World Bank Project). This system enabled the UP Manila Library to automate its operation and services.

Eight-user licenses are used for the computerized **cataloging, acquisition, serial management and on-line public access catalog**. The Bibliofile software is being used for retrospective cataloging of library materials. As of 1998, a total of 79,745 records have already been converted to electronic format.

During the 88th UP Manila Foundation Celebration in 1996, the University Library Manila launched the **Online Public Access Catalog** which provides access to the (books, serial holdings) of UP Manila using TINLIB. It is available online 24-hours a day in the Internet through UP Manila's website. The information that UP Manila delivers are not limited to information resources held by the UP Manila libraries, but are able to obtain information available from any site in the Internet, and in libraries linked to the UP Manila Library Network.

The **University Library "Cybernook"** with 10 terminals was installed in 1997, under the DOST-ESEP Library Network project. It enables users to gain access to remote stations and surf the Internet and provide electronic mail and CD-ROM facilities.

Another significant stride achieved in 1997 was the setting up of the **Electronic Medical Research and Library Databases System (EMERALDS '71)** at the Medical Library. This is the first electronic facility in the country's medical education system that allows users to access global sources of digital information in abstract form and in full text with graphics. Databases in the system include MEDLINE from 1966 to present and OVID Biomedical Collection of 30 medical journal titles in full text from 1993 to present. Inaugurated last October, 1997, the P6-million project was realized through a P3.68-million donation of CM Class '71 and a P2.6-million allocation from the countrywide development fund of Senator Franklin Drilon.

The UPM library provides students, faculty, and researchers the necessary references through the various collections of UPM libraries.

Figure 7.2 shows the statistics on the use of library resources, by type of materials from 1993 to 1998.

The "IT" and reference services of the UPM Libraries were greatly affected when five telephone lines in three unit libraries were disconnected for six months due to billing problem.

The figure below shows the statistics of users/clientele of the library, from 1993 to 1998.

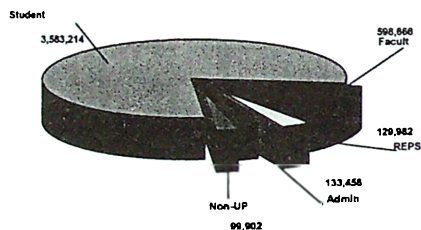


Figure 7.3 Library Users/Clientele

The UPM libraries also served the information needs of health professionals in the country. A total of 99,902 library users were served in the various unit libraries of UPM.

The UPM Library developed electronic bibliographic databases of Filipiniana materials accessible online in the Internet namely: *Theses & Dissertations*, *Students Research Papers & Reports*,

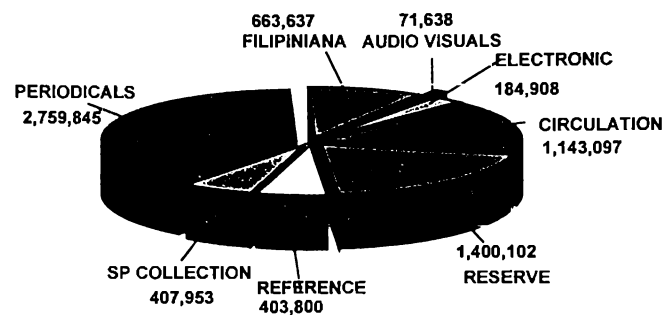


Figure 7.2 Use of Library Resources

Professorial Chair Lectures, *Philippine Index Medicus*, and *Union List of Periodicals*. Other databases will soon be online: *Faculty Research Papers*, *Mosquito Borne Diseases*, *Special Database on Water*, and *Vertical Files*.

Another reference tool compiled and published by the University Library Manila was the *Philippine Index Medicus Abstracts, 1991-1995*. This publication was launched on June 19, 1998 as the UPM Library's centennial publication. The volume contains 3,372 data from 65 local and 230 foreign medical and health journals. This publication is noteworthy for its abstract component in addition to the usual index entry. The electronic format of this database is searchable using the CDS-ISIS retrieval software.

Extension Services and Linkages of UPM Library

The library rendered extension services in the form of on-the-job training, consultancies, lectures, technical assistance and

collaborative projects with academic and research institutions/libraries in Southeast Asia and in the country.

As our regional participation, UPM Library played host institution and study site for WHO fellows and Southeast Asia Medical Information Center (SEAMIC) fellows from Singapore, Thailand, Malaysia, Indonesia and Korea. The University Library was visited by 15 university librarians from Mongolia to study library administration and management under the Asian Development Bank project.

UPM is a major participating node of **DOST-ESEP Library Network** established in 1995, aimed to provide up-to-date information to researchers and development staff, faculty and students of science and technology. As a result of these linkages, UPM received a grant for upgrading the collection of the College of Medicine library on pharmacology and UPM became a primary node of PhNet which facilitated not only access but also UPM presence in the Internet. UPM library website URL is <http://lib.upm.edu.ph>.

Infrastructure and Physical Plant Improvement

The College of Public Health Library was renovated in 1993 through the financial assistance of the Federal Republic of Germany.

The History of Medicine and Multimedia Room of the College of Medicine library was inaugurated in 1994. The construction and equipment amounting to P1,000,000 was financed by UPCM Class 1952.

The inauguration and opening of the University Library was held on June 22, 1995. The four-story building houses, on the

first floor, the Cybernook, Multimedia Room, Online Public Access Catalog Terminals, General Reading Room, and the Computer Center of UP Manila. The second floor houses the centralized library services such as the Administrative Services, University Librarian's Office, Technical Services, Bibliography and Indexing Room, Conference Room, and Staff Lounge. Located on the third floor are the Reference Section, Stacks, and on the fourth floor, the Exhibit area, Memorabilia of the past Chancellors of UP Manila and faculty publications, paintings, school photos and stack area. The University Library Building was completed through UP Manila funds.

The unveiling of the Dr. Murray Bartlett (first UP President) Watch Display was done at the University Library on the occasion of the 88th UP Manila Foundation celebration, in June 1996. During this year, three ceiling-mounted air-conditioning units donated by Dr. Hugh Greenwood of USA were installed at the first floor Reading Room of the University Library. Five telephone lines were also installed.

Inaugurated in 1997 were the College of Nursing Library and the College of Pharmacy Library. The College of Nursing building was constructed through allocation from the nationwide development fund of Congressman Rolando Andaya, and the College of Nursing library was renovation by the College of Nursing Alumni Association. The College of Pharmacy building was completed through UP Manila funds and donations.

The College of Arts and Sciences Library Reading Room air conditioning units were donated by CAS Alumni Foundation and F & J de Jesus.

Awards, Distinctions, and Foreign Fellowships

Rosvida R. Rosal, (College Librarian V) University Librarian and College of Medicine Librarian, was recipient of several awards: (a) *Most Outstanding REPS* 1995 with a corresponding cash award of P10,000 (b) *1997 Academic and Research Librarian Award* from the Philippine Association of Academic & Research Libraries for her outstanding national contribution to academic and research librarianship and library development (c) MAHLAP Service Award in recognition of dedicated service to the Medical and Health Librarians Association of the Philippines (d) Promoted as *Professorial Lecturer* of the Institute of Library Science, UP Diliman effective June 1, 1998. Elected Board of Directors of the Philippine Library Association Inc. (PLAI) for the year 1996-1997 and Chairman of the PLAI Publication Committee. She was the Philippine representative to the 9th SEAMIC Technical Committee and presented the Philippine Country Report on the "Status of Information Technology in the Philippines" at the meeting on Health Documentation and Publication in Indonesia from August 5 to 9, 1996.

Mrs. Rosal and Theresa P. Dugenia, (College Librarian IV) observed library services at the Sukothai Open University, Thailand sponsored by UP-CPH/GTZ Grant in 1996.

Pia P. Reside (University Research Associate I) was awarded Most Outstanding Employee of the month of UPM in March 1997.

Theresa P. Dugenia (College Librarian IV) was elected Vice President in 1994 and President of the Medical and Health

Librarians Association of the Philippines in 1995.

Adawey F. Racal (College Librarian III) was elected board member of the Philippine Association of Academic and Research Libraries in 1997 and Executive Secretary in 1998. She was also elected Treasurer of the UP Manila-REPSA.

Guillermina C. Panizales (College Librarian III) was elected President of the UP Institute of Library Science Alumni Association in 1995, and was also elected as the first President of the UP Manila-REPSA in 1998. She was awarded one-month DOST-ESEP (World-Bank) fellowship to observe modern library management and information technology in Canada in 1996.

Elena R. Revatoris (College Librarian III) was awarded a three-month DOST-ESEP (World-Bank) fellowship to the University of Western Australia to study and observe modern library management/administration and information technology in 1995.

Esmeralda R. Vinzon and Adawey F. Racal were awarded the SEAMIC travel fellowship in 1995, and in 1997 to study and observe modern library management in Singapore, Malaysia, Thailand and Japan. This was sponsored by SEAMIC, Japan.

Jesusa S. Juan (College Librarian II), **Adawey F. Racal** and **Elena R. Revatoris** attended the American Library Association (ALA) Annual Convention, from June 26 to July 3, 1997, at the Moscone Convention Center, San Francisco, California.

Information Technology Development

The UP Manila Information Technology Development consists of several interrelated, coordinated, and collaborative projects implemented by various units at different levels. The mission of the information technology development is to improve health and contribute to national development by harnessing the potential benefits of information technology for excellence in education, management effectiveness and efficiency, human resource development, and health care services. It is presented according to the following locus of implementation responsibility.

- Information Management Support Office
- NIH-Computer Research and Information Technology for Health program
- Colleges/Units
- Office for Extension and Continuing Education
- Special project

Information Management Support Office-based Projects

Internet Connectivity

Goal : Internet access for the faculty, staff and students

UP Manila became a member of the World Wide Webb when it joined as a primary node in the DOST-ESEP project. Through PHNET, UP Manila was electronically connected to the Internet and 10 other participating academic institutions nationally. A second gateway through the UP System network will soon be operational.

To make this connectivity accessible to the faculty, staff and students, a cybernook was established at the UPM computer center and at the University Library. In addition, several dial-up lines were also made available. Connectivity of unit local area networks is now possible through the UP Manila fiber-optics backbone.

The number of users/e-mail accounts has steadily increased to 700 users over the years since 1995. This accounts for about 70 percent of the staff of the academic units and UP Manila offices, majority of whom are faculty members. Students can access the Internet on a per use basis.

Fiber Optic-based Campus Wide Area Network (WAN)

Goal : A UP Manila information technology backbone

The 21 UP Manila buildings which includes eight academic colleges, the Philippine General Hospital, the National Institutes of Health and the various administrative offices are now connected through the fiber-optic campus network backbone. In addition, the campus information technology backbone will soon be connected to the UP System information network.

Aside from Internet connectivity, the backbone will be used to develop an intranet system (an internal network within UP Manila for sharing information and management activities). For example, memoranda and information for dissemination can be placed on the Intranet thereby saving on photocopying cost.

Library Intranet and National Networking

Goal : A UP Manila intercollege library intranet system with national and international connectivity

As mentioned above, the principal thrust of the DOST-ESEP project was to establish an electronically linked network of libraries. For the project to be useful, it is necessary to digitalize the library card catalogue. This has been done for all the libraries of UP Manila and currently being used as OPAC - Online Public Access Catalogue.

The libraries are also moving towards a mix of an electronic media collection and print material by acquiring multimedia CD-ROM. Special mention is made of the Medicine Class 71 who, with the assistance of Senator Franklin Drilon, put up the EMERALDS (Electronic Medical Reserch Library Database System) project which provided for hardwares and library database subscription.

The fiber optics Wide Area Network (WAN) will enable interlibrary connectivity between the various College/unit libraries.

Office Automation and Information Systems

Goal : Automated, paperless offices compatible with government rules, regulations and requirements

To further maximize the cost-effectiveness of an electronic network, it is desirable to computerize basic routine procedures and provide sharing of information and hardware. The project envisions networking computers within an office and linking the office LAN with the WAN.

The different administrative functions programmed to be computerized include the following:

- Registration/students records
- Personnel
- Alumni
- Finance (Budget, Accounting, Cash)
- Property and supply
- Building/equipment maintenance
- Research
- Extension services
- Administrative transactions and document tracking

To date, the following information systems have been developed:

- Student information system that includes:
 - computerized registration/enlistment system
 - post-enlistment information system that can generate the following reports:
 - ◇ class list
 - ◇ grade sheet
 - ◇ true copy of grades (per semester, annual or entire period of student's stay)
 - ◇ scholastic standing/academic performance
 - ◇ student delinquencies
 - ◇ change of matriculation (dropping, change of grades, etc)
 - ◇ statistics (by sex, by college, by course, employed students, etc)
- Payroll system - an electronic employee database that includes monthly payroll, remittances and

other reports related to employee compensation and benefits. This includes database report for the bank's ATM salary disbursement

- Personnel database
- Alumni directory

To implement office automation and personnel productivity, computer acquisition was accelerated. During the period 1993-1998, 311 computer units or 53.8 percent of the present total units available were acquired. This reduced the employee to computer ratio from a high 2.73 employee per computer in 1993 to 1.7 employee per computer in 1998 as Figure 7.4 shows.

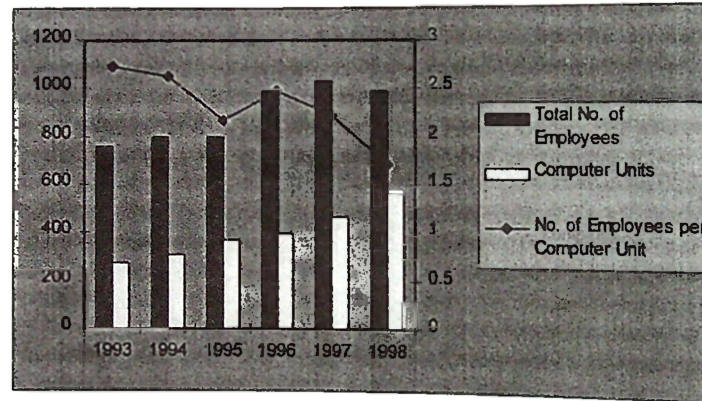


Figure 7.4 Number of Employees Trained

Computer Literacy Training

Goal : A computer literate work force

Complementing the development of the network and the system is the computer literacy education of the users. It is the objective that the staff of UP Manila shall be computer literate. Realistically, we can predict three groups within the staff: (1)

those who are already computer literate; (2) those desirous and willing to learn; and (3) those who cannot or refuse to learn.

An IT training room has been established with 10 training computers. In addition, the computer laboratory of the College of Public Health, the College of Arts and Sciences and the Learning Resource Center are also used for computer literacy training.

From 1995 to 1998, a total of 317 staff participated in the various training programs conducted on the following areas:

- DOS/Window concept
- Basic computer troubleshooting
- Intranet/Internet concept and access
- Systems operation/LAN Administration
- Application software : Word, Excell, Access, Powerpoint, HTML, etc
- Database administration and management
- Web page design and development

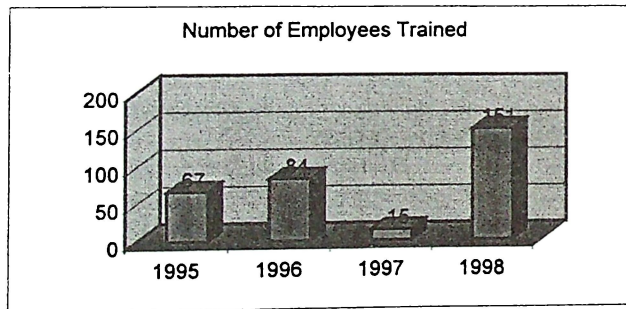


Figure 7.5 Number of Employees Trained

Computer Software Licensing and Y2K Compliance

Goal : Computer software access, as needed
Y2K compliant computers

The project involved a review and assessment of the computer software for each user and the installation of a licensed copy. Presently, all computer software in use are licensed.

Y2K compliance testing of computers was incorporated with the computer maintenance program. Non-Y2K complaint computers were evaluated as to its utilization requirement. Where needed, a corrective program was installed.

NIH-Computer Research and Information Technology for Health Program-based Projects

Computer and Information Technology research agenda

Goal : Explore the potentials of computers and information technology for education and health care delivery

The **Computer Research and Information Technology for Health Program** is a component of the National Institutes of Health. The unit will spearhead computer and information technology application for education and health care delivery. The research agenda of the unit include:

- Health informatics standards
- Computer-assisted and interactive instruction
- Health information systems
- Computer-based patient records
- Image and signal processing
- Clinical decision-making support

The program is presently doing two studies: Y2K relevance in health, and standards for health informatics. The latter study

has been adopted by the Department of Health for its health information infrastructure project.

College/Unit-based projects

Local Area Network

Goal : College and office local area network interconnected to the WAN

The IT development plan encourages initiatives by the different colleges/units. Most colleges/units have acquired a modem for dial-up access to Internet. To date, the following units have a local area network (LAN) connected to the campus information technology backbone:

- Colleges of Public Health
- College of Medicine
- College of Arts and Sciences
- College of Nursing
- Central Administration

The College of Public Health and College of Medicine have a computer laboratory.

The National Institutes of Health and the Learning Resource Center have cybernooks. The College of Medicine and the Learning Resource Center have a computer-aided learning center which is also used as a computer-aided classroom.

We look forward to:

- Every College having a college level local area network.

- Every College operating on a college intranet level.
- Faculty office internet access being available.

PGH and Patient Care Delivery Computerization

Goal : Computerized patient care delivery system

Presently, some administrative functions and out-patient services are computerized. We envision a fully computerized PGH and patient care delivery, including the following:

- PGH local area network
- Administrative services automation
- Patient services automation
- Out-Patient care services automation
- In-Patient care services automation
- Hospital management information system

Computer and information technology aided teaching

Goal : Computer and information technology aided teaching

In the area of teaching aids, we have/are using a combination of the "chalk & blackboard/white board, overhead slide projection, and slide projection. To these armamentarium, we envision the addition of the use of computer and information technology aided teaching.

We foresee that:

- The classroom overhead and slide projector will slowly be complemented by an LCD projector.

- Computer assisted learning centers will be developed using available or indigenously produced interactive learning modules.
- Classrooms will be linked to an instructional material database.
- Learning will truly be interactive with the professor serving only as a facilitator.

The College of Medicine has spearheaded this process by establishing its Medical Informatics Unit. It is the unit's task to educate and assist the faculty progress towards this new mode of instruction.

Office for Extension and Continuing Education-based project

National Telehealth Center

Goal : Improving health care through information technology

The National Telehealth Center (NTC) project capitalizes on UP Manila's pool of experts and cumulative experience in international teleconferencing, national continuing education by distance mode, health chat using the Internet and module preparation for distance education. The project proposes to use information technology for the continuing education of health professionals and the public.

The NTC was approved by the Board of Regents at its 1122nd meeting on 25 June 1998. Essentially, the project will be implemented in phases depending on the infrastructure capability available.

Phase 1 will be Internet-based, thus primarily text-graphic based. Educational materials will be loaded in a web site and can be accessed by anyone with access to Internet. Interactivity will be provided the user by entertaining questions and comments through a "health forum" bulletin board. Scheduled interactive session can be arranged through "health chat."

Phase 2 will combine voice with Internet capability. The text-graphic Internet-based material will be complemented by interactive, on-line audio communication. The source material may come from the telehealth center (UP Manila) or the satellite node. Specific activities will include:

- International teleconferencing
- Continuing education teleconferencing
- Regular college/department activities
- Interactive consultation
- Special lectures

Phase 3 will be an upgraded version of Phase 2 to include video. In addition, skills or psychomotor training will be possible because of the added video capability. The more sophisticated facility requirement will necessitate a common facility or a telehealth auditorium.

Phase 4 will be an upgraded version of Phase 3 in that the source material may originate from various locations, e.g. a college auditorium, department, operating room, etc. This will become possible when all the UP Manila units become interconnected through the fiber-optics IT backbone.

Currently available is the Health Cybermag, a monthly continuing education magazine for the health professionals. This can be accessed through the UP Manila web site.

On the pipeline is a project with the Department of Health and the World Health Organization to strengthen the “district health system”. The pilot project consists of linking 5-health facilities located in far-flung areas with UP Manila. Self instructional modules (SIM) will be developed for identified training needs. These will then be made available to the learning center through the Internet.

Special Project

Information Technology Complex

Goal : Synergism between information technology related units

As pointed out in the telehealth project, there is need to

establish a common facility for teleconferencing. Thus, it made sense to locate the different information technology units in a single physical area. This will facilitate synergism among the experts and sharing of equipment and software. The Information Technology Complex, construction of which will soon start, will house the following units initially:

- Teleconferencing auditorium
- Office of Information Management Support
- Office of Extension and Continuing Education
- Computer Research and Information Technology for Health Program
- Medical Informatics Unit
- Electronic Dataprocessing Unit

Chapter 8

PHILIPPINE GENERAL HOSPITAL

The Philippine General Hospital, the country's premier health institution, is also an autonomous unit under the wing of the University of the Philippines Manila. Established in 1910 initially as a division of the Bureau of Health, it was formally linked with the UP College of Medicine in 1914 by then Secretary of interior Dean C. Worcester. On October 4, 1947, the PGH was transferred functionally to the University of the Philippines by EO 94. Seven years later, it was administratively separated from the UPCM by former president Ramon Magsaysay. With the creation of the UP Health Sciences Center (later known as the UP Manila) in 1977, PGH and all other health sciences units became administratively integrated under this structure.

As an integral part of the UP system, the PGH has set forth a mission to remain as a University hospital. It has likewise supported the University's three primary thrusts: training, research and service that synergistically complement and reinforce one another. This is in keeping with its vision of continuing as the leading national institution of health care for the Filipino people, with a more dynamic networking system with other governmental and nongovernmental health organizations so that more beneficiaries can avail of its services.

For the past 88 years, the PGH continues to provide an undisputed leadership for the Philippine health care delivery system. It remains as the only national referral center for tertiary care, providing direct and quality patient services to thousands of non-paying, underserved clients all over the

country. It is also the Philippines' best resource for training and development of health professionals, providing the best learning environment for local and foreign health sciences students as well as sharing information and developing technologies through vigorous research efforts for the improvement of health care.

Service

Through its service programs, the PGH has catered to the health care needs of its patients. In line with its effort to extend the best possible medical help to its clientele, PGH has the following health services to boast of:

- Women's Desk
- Eye Instrumentation Clinic
- Family Planning Center
- Emergency Medical Services
- Poison Control and information Service Unit
- Child Protection Unit
- Asthma Comprehensive Care Unit
- OB Gyne Cancer Detection Center
- Cancer Center
- National Volunteer Blood donation Program

Intensive Care Units

- Burn Unit
- Hemodialysis Unit

- Perinatology Care Unit
- Surgical Intensive Care Unit (SICU)
- Neurosurgical Intensive Care Unit (NSSCU)
- Neurology Intensive Care Unit (NICU)
- High Risk Pregnancy Unit (IMU)
- Adult Intensive Care Unit (CENICU)
- Medical Intensive Care Unit (MICU)

Major service components also include radiologic, diagnostic, therapeutic, laboratory, surgical procedures, nursing and other services (please see Tables 1 to 7).

Patients Served

Being a national government hospital, the Philippine General Hospital caters to thousands of Filipino patients daily, most of whom are indigents. In 1998 alone, 681,467 out-patients and 54,627 in-patients received medical attention from the hospital's various service areas. Figure 8.1 shows the number of patients served by PGH from 1993 to 1999.

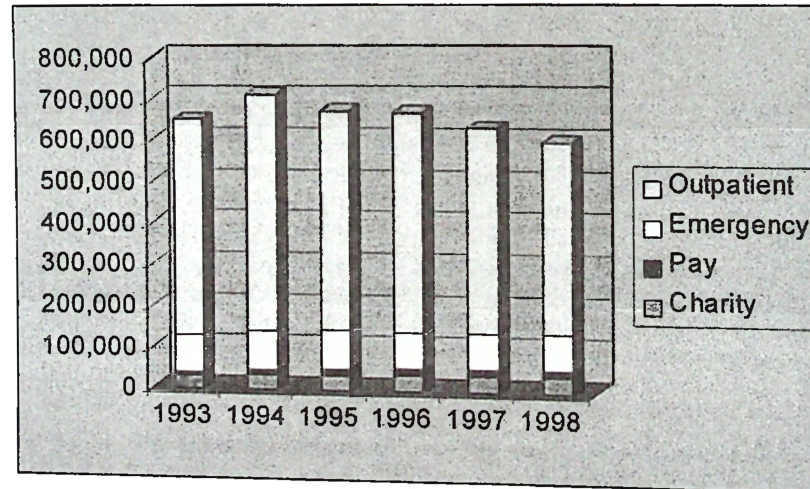


Figure 8.1. Number of Patients Served by PGH from 1993 to 1998

Of a total of 37,824 charity patients admitted in 1998, a little over 88 percent have been discharged, 3.8 percent died and about 8 percent or 3,015 patients either went home against advice or have absconded. This ran to an average of one in about five days for each of the 38 charity units every month. These patients were not monitored and thus could not be accounted for as "deaths".

The Department of Pay Patient Services (DPPS) which accounts for 411 beds serves as a "buffer hospital" for the financially marginal patients - mostly government employees - as it offers affordable health services to the middle class. In support of the PGH thrusts, the DPPS continues to serve as both a role model for health care delivery and a revenue-generating component of the hospital whose income is used to defray the spiraling cost of health care of the charity patients.

Of the 16, 803 admissions to the DPPS, 94.73 percent were discharged, 2.76 percent died and about 2.5 percent (423) were either discharged against medical advice or have absconded (Table 10).

Because of the enormous public trust among other factors, PGH beds are filled to capacity, oftentimes exceeding the authorized. To date, it has expanded to a total of 1, 555 beds to accommodate thousands that flock to it every year seeking

the medical attention they need and deserve.

The PGH gives care not only to patients but to the caregivers as well. This is provided by the UP-PGH Health Service under the leadership of the Department of Family and Community Medicine. Because of the number of people it serves and the kind of services it renders, the UP-PGHHS is also a good training ground for resident physicians specializing in industrial Medicine.

In the last six years, the UPHS has seen over 30,000 PGH and UP Manila staff for consultation, more than 4,000 for their annual physical exams, 394 patients for admission to the infirmary, 3, 523 for referrals to other specialty clinics and over 4,800 for their PE for employment and promotion (Table 13). On an annual basis, the unit actually catered to an about 7,620 (635 patients in a month) or a daily average of 29.

Catering as well to the largest component of the UP System's constituents: its students, the PGH Health Service has attended to a total of 32, 991 cases from 1993 to 1998. It has a yearly average of managing 5, 498.5 cases or seeing as many as 20 students per day despite limited human resources. Table 8A presents the basic health services provided to UP students from 1993 to 1998.

Table 8A. Basic Health Services Provided to UP Students from 1993 to 1998

	1993	1994	1995	1996	1997	1998
Consultation	1019	1483	955	1258	1343	1415
Physical Exam	3451	4018	3451	2941	5134	4631
Infirmiry Admission	11	19	6	12	8	6
OPD referrals, spectsly	261	131	250	285	299	228
Students of Others UP Units						
Consultation	20	46	20	51	49	36
Physical Exam	0	0	0	0	0	0
Ilfirmiry Admission	2	12	2	0	0	0
OPD referrals, spectsly	28	14	27	38	17	14

Referrals from other government agencies benefit likewise from the quality health care given by the University hospital. Last year alone, the public relations officer of the office of the PGH Director attended to a total of 1,492 referrals for various medical services (or a monthly average of 124) and facilitated 7,325 guarantee letters in 1998 alone.

Updating Diagnostic Services

In line with the hospital's goal to improve its facilities for better health care, the following equipment were acquired for diagnostic purposes:

- Cardiac catheterization laboratory
- Electrophysiology laboratory for ophthalmological and ENT cases
- Spiral CT scan
- 2-D echo

- X-ray machine with C-arm

Once exclusively accessible to affluent patients, the services provided by these machines are now made available by PGH to the public sector, proof of its unparalleled efforts in bringing high technology and quality medical care to more people.

Support Services

Forming an integral part of the hospital's service programs are the following support services specifically designed to improve patients' quality of life:

- **Domiciliary Services** - The home care service program manned by the Department of Family and Community Medicine staff that aims to provide services and training of family membrs giving care to the chronically ill and terminally ill patients at home.

- **Hospice Care** - Three to five beds of the Cancer institute allotted to terminally ill and chronically ill patients needing supervision of health care providers. Aside from physiological care, psycho-spiritual services are also rendered unto these clients.
- **Pain Management Center** - Located at the Out-Patient Department, this center caters to the needs of patients in chronic and acute pain through the use of both modern and traditional medical techniques.
- **Rehabilitation Center** - "Focusing on what is left, maximizing the individual to optimum levels of functioning" is a dictum of the Rehab Center. It attends to the needs of all medical and surgical conditions requiring rehabilitation through services such as speech, physical and occupational therapies, vocational counseling and retraining.
- **Alcoholics Anonymous** - Initially for alcohol-dependent employees, this pet project of the UP-PGH Health Service now welcomes referrals from the staff for patients needing psychological support and services on their way out of alcoholism.
- **Narcotics Anonymous** - A counterpart of the Alcoholics Anonymous, this newly developed program aims to provide hope and help to chemically dependent individuals and their families through a series of counseling.
- **Livelihood Program for Cancer Patients** - Done in coordination with celebrity cosmetologist Ricky Reyes, the "Look Good, Feel Good" project is designed to train patients and watchers on the art of cosmetology as a potential source of income.
- **Art Prescription** - A series of art classes conducted by renowned painters of the local scene. Participated by UP employees for a fee, the proceeds of which are given to the Cancer institute for the benefit of PGH cancer patients.
- **Patient Education on HIV, Diabetes Mellitus, Nutrition and Care of Ostomies, Waste Management, National Voluntary Blood Donation Program** - Video/Film showing of brief instructive clips on these topics to patients and watchers at the charity wards. This is spearheaded by the Nursing Services.
- **Education for children with long-term illnesses** - Led by UP staff with training on special education (SPED), this center provides a DECS-accredited non-formal education for children who can't attend school due to long-term and debilitating illnesses.
- **Kubo ng Kaalaman sa Kalusugan** - The newest patient education program from the DOPS, this project provides lectures and educational materials on common disease conditions and their management for free to patients and watchers at the OPD.
- **Nursing Clinic (Ostomy, Diabetes Mellitus)** - Another OPD project instituted by the Nursing Services, this aims to cater to specific education and nursing management needs of patients with ostomies and DM.
- **Botika ng Masa** - A project coordinated with the office of the President through the Philippine Charity Sweepstakes office. This intends to provide a P2,500 assistance per bed per month on medicines for indigent PGH patients.

- **Crisis intervention Center** - This multi-disciplinary team-led project is actually made up of three components: the Women's Desk, the Child Protection Unit and the Special Psychiatric Unit at the DPPS. The CIC attends to the medical and psychological care requirements of individuals who have been victims of abuse and other traumatic events.
- **Tropang Tropo Livelihood Program** - A project that trains trophoblastic patients to initiate livelihood projects such as crocheting, food preparation, rosary-making, cross-stitching, etc. The proceeds of the sale of their products are used to support their diagnostics and chemotherapy.
- **Munting Paraiso** - A play room equipped with good quality materials, also a psychotherapy center for chronically ill pediatric cancer patients; constructed in cooperation with Ricky Reyes.
- **Toxicology Center** - A unit that utilizes the latest in management of toxicology cases. Coordinates with the National Poison Control Service.

Referral Services

In an effort to improve quality of health care given to patients in the community, the PGH strengthened its referral system through forging links with government and non-government institutions as well as private and government hospitals. Just recently, it launched the Pasay City - UP Manila - PGH Referral System Project to ensure good maternal and child health care.

This new endeavor joins the list of other linkages established by PGH in its continuing outreach services to the underserved.

Training

True to its thrusts, the PGH plays a major role in training the different health professionals and students of the various health disciplines. Its clinical and non-clinical areas offer vicarious learning experiences for any individual intent on mastering the art of patient care and hospital management.

From 1993 to 1998, the hospital has provided excellent training to a total of 5,520 medical students, residents and fellows with over 500 (non-UP) observers in 1996 and 1997

Likewise, thousands of trainees of other health sciences, benefited from the tutelage of PGH, averaging about 1,483 students in a year

A total of 3,060 resident physicians have been trained by PGH in the last six years, with a notable steady increase annually. Table 8.2 and Figure 8.2 shows the distribution of medical students and trainees trained by PGH during the past six years.

Table 8.2 Number of PGH Medical Students and Trainees, 1993 –1998

STUDENTS / TRAINEES	1993	1994	1995	1996	1997	1998	TOTAL
Clinical Clerks	150	150	152	154	154	150	910
interns	210	234	234	234	234	234	1,380
Residents	498	498	515	538	542	556	3,147
Fellows	239	120	120	144	164	181	968
Observers (Non-UP)	-	-	-	209	319		528
Total	1,097	1,002	1,021	1,279	1,413	1,121	6,933

Infrastructure

- From 1993-1998, new structures and facilities were opened to complement the hospital's health care delivery system (Annex A). In 1995 alone, the following major facilities were opened:
 - a. Cancer Education / information Center, opened on Jan. 16, 1995
 - b. Philippine Radiation Science Museum, opened on October 10, 1995
 - c. Newly renovated Pulmonary Laboratory, opened on Oct. 3, 1995
 - d. Burn Unit, opened on Dec. 6, 1995
- One of the most significant infrastructure projects in 1997 was the construction of the **PGH Spine Unit** which has been designed to provide optimum treatment and care to patients suffering from vertebral column and spine disorders. The 4-storey complex is the first and only one of its kind in the Philippines. Other projects undertaken during the year were the **organ Transplant Unit, the Open Heart Surgery Unit and the Cardiovascular Catheterization Laboratory** to provide patients with the most advanced diagnostic facilities and treatment expertise possible.
- In 1998, the construction of the two-storey **Spine Unit building, Service Wing, Department of orthopedics** was finished. Other projects finished during the year were the renovation of **Psychiatry Library and the Child Protection**

Unit which were constructed through the assistance of generous donors/benefactors.

- Other ongoing projects were the construction of the **Computer Building, the renovation of the Nurses' Home, Dorms 1 and 5, DEMS and OBAS and the expansion of the DOPS.**
- The year 1998 also saw the inauguration of the following facilities:
 - a. Medical ICU
 - b. Cardiac Catheterization Laboratory
 - c. Special Psychiatric Unit
 - d. Director's Conference Hall
 - e. Employees' Fitness Center

Extension and outreach training programs

The extension programs of the PGH cover a wide range of community-oriented projects to serve the health needs of the underprivileged Filipino people. Most of the community outreach programs were funded by the hospital while some are financed by the department/unit involved. However, there were also a handful which were sponsored by other pharmaceutical and health institutions, the DOH, NGOs or even UP Manila's Ugnayan ng Pahinungod. Another type of extension service rendered by the hospital consists of seminars, workshops, conferences, fora and the like.

Financial Resources and Expenditures

Sources of funds for PGH include government subsidy, hospital income, balance of prior year's income, donations, sale of drugs – RF and reprogrammed savings. of these, the national budget is considered the largest source. The highest percentage of the PGH budget goes to Personal Services followed by Maintenance and Operating Expenses (MOOE) and Equipment, Building & Structure Outlay , respectively.

Budget is an important concern in as far as health care delivery is concerned. in the case of PGH, it is clear that government subsidy alone is not enough to cover all expenditures. With the fast rising cost of health care today, more and more patients are expected to turn to PGH for assistance. However, there should be enough financial resources to help PGH meet its goals and serve as many people as possible. The delivery of quality medical services require strong financial support, and all efforts to achieve excellence in training and research would be futile if there is not enough fund to implement and sustain desired programs.

The variance between the available government subsidy and expenditure is funded by other sources from donations, hospital income, balance of prior year's income, sale of drugs, revolving funds, and reprogrammed savings.

Sources of Donations

PGH continues to maintain strong partnerships with local and international donor communities that allow it to bring quality health care within reach of Filipino patients. Among the other sources of PGH funds are:

- donations from JICA, WHO, PCSO, PAGCOR and private individuals and organizations
- CDF from congressmen

Human Resources

Performing key roles in the hospital's service arena are the medical, nursing, paramedical and administrative staff who, all in their own capacities, contribute to the attainment of PGH's institutional goals. Average staff complement from 1993-1998 is 3,521 with the Nursing Service having the highest number of staff among all categories. Figure 8.3 shows the manpower distribution of PGH.

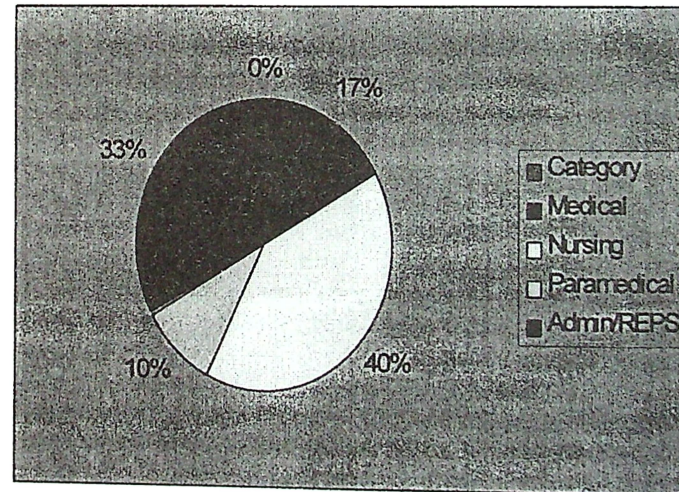


Figure 8.3. Manpower distribution of PGH Staff Development Programs

Relative to the personal and professional growth of the employees, the following programs were implemented:

- **Competency Development Program** that strengthens knowledge, skills and attitudes of personnel towards work, consisting of :
 - a. **Skill Enhancement Program** that strengthens routine skills required in the performance of one's work.
 - b. **Orientation Program** geared towards introducing a new staff to a particular work setting where individual needs are recognized whether the person is new to the agency or newly promoted.
 - c. **Continuing Education** which fosters innovative and creative approaches to learn, for the purpose of achieving more effective behavior in actual practice and improve quality care services.
 - d. **Inservice Training Program** that offers to increase the knowledge and skills in relation to role expectations.
 - e. **Postgraduate Programs** for fellowships ,residency training, and other health disciplines.
 - f. **Preceptorship Programs** for both nursing and other health professions to maintain the linkage between service and education
 - g. **Occupational and Safety Programs** for preventive health care to deal constructively with employees' health and safety as it relates to one's work.
 - **Educational Affiliation** - development of health professionals to be humane and competent to serve the community.

- **Value Development Programs** - focused on value enhancement and role clarifications for better patient care and smooth interpersonal relations .
- **Employee Welfare and Motivational Programs** - a response to the employees' basic needs at work focused on financial and housing assistance as well as recognition for meritorious performance (Annex "C").
- **Employee Friendly Management Environment** - an innovative and participative management strategy to involve employees in the decision making process.

Future Thrusts and Plans

On Facilities and Infrastructure Development

In 1999, the hospital plans to renovate/rehabilitate some service areas such as Blood Bank, Immunopathology Section, Dietary, Ecology Center, Bantay Antayan, DPPS Admitting Section, Department of Emergency Medical Services, Neuro intensive Care Unit, Philippine Charity Sweepstakes office Compound, Medical Arts Building, and the Department of Medicine to accommodate the increasing number of patients.

Corollarily, plans are underway to establish a multidisciplinary surgical specialties, centralized endoscopy unit that is envisioned to become a National Endoscopy Training Center.

The Pay parking booth shall also be constructed to provide security to the personnel-in-charge.

The Department of orthopedics is looking forward to the operationalization of the Spine Unit.

PGH shall prioritize the acquisition of state-of-the-art equipment and the upgrading of the facilities in the various areas of the hospital (Surgery, specifically the transplant and open heart procedures, Radiology, Laboratory, Anesthesia, Dietary and Critical Care Units) to improve further the delivery of quality health care to its patients. Upgrading of these facilities will result to increased number of procedures done and patients served, shorter waiting time for diagnostic and therapeutic procedures, improved diagnosis, better residency training and better record keeping. In addition, Task Forces were created to analyze and improve the system of health delivery specially for out patients, emergency patients and to facilitate efficiency in diagnostic procedures. The funding of these projects will be obtained through external sources (both local and foreign).

Specifically, the hospital plans to put up a waste machine that would process all biological waste of PGH, including that of UP Manila and other hospitals near PGH. This environment-friendly machine is expected to generate income for PGH due to the services that will be catered to other hospitals.

On Training and Research

PGH will continue to live up to its reputation as a leading institution in the field of health and medical research by strengthening its conduct of continuing education program and strongly collaborating with national research agencies and research units of UP Manila, including the NIH for the health professions.

On Information Technology

As regards the development of the PGH Health information Management System, the Y2K compliance and preparedness of hospital computer systems is presently being undertaken.

The fiberoptic local area network (LAN) at PGH main hospital and central block area will be established while its counterpart at the OPD shall soon be operationalized. The hospital shall develop/acquire appropriate software for in-hospital management information system and shall pilot implement the first phase involving the following units: Clinical departments, patient care areas, pharmacy, radiology and laboratory.

Special Projects (Five-Star Approach)

The University of the Philippines Manila-Philippine General Hospital is a national resource. It is considered and still is the best training ground for health human power in the country. It continues to provide quality health care and management including research and teaching. However, the Hospital operates within a framework in order for it to be relevant. This framework is two-fold: one that is working within the University System and another within the national context. To enable the Hospital to fully operationalize its services and programs, it must consciously complement with the goals, needs, demands and aspirations of the said System.

As such, we need to establish special projects and programs to respond to the multifarious demands of the System. Our special projects are composed of five (5) star pillars that will serve as yardsticks toward sustaining development and they are as follows:

Development of Human Resources

Equally important in Hospital operations and development is its human resources. A holistic program to include support of the varying needs of our personnel, continuing education and organizational development techniques will need to be implemented based on key values- competence, economy, efficiency and effectiveness. Special projects specifically on health benefits will be implemented and they are as follows:

- Hazard Pay
- Study Leave with Pay
- Staff Development activities
- Promotion scheme
- Career Tracking System
- increase in medical and hospital benefits
- Housing loans
- Sports Development

Facilities and Infrastructure Development

The Hospital has built its foundation upon its quality health care services and management. Truly responsive and on a yearly basis, the Hospital responds to almost a million Filipinos all over the country whose socio-economic incomes are within the poverty line. To continue the service to our countrymen, our existing services and facilities will need to be strengthened and expanded. Special programs on this matter include:

1. Expansion of Out-Patient Facilities

Due to the increasing number of patients patronizing the OPD, it is but necessary to expand it to make it more accessible, less queuing time, and will have the best

opportunity to cater to more patients. The development of the existing OPD will not only mean augmenting its facilities but importance must be given to services as well.

2. Expansion of the Department of Emergency Medical Services

Hospital records would show that there is a great and growing demand in strengthening the Department of Emergency Medical Services to directly respond to the needs of in-patients and out-patients. Aside from its facilities, we must also improve its services by recruitment of skilled staff.

3. Nurses' Home Renovation

The Nurses' Home is one of the most important institutions in the University. Built in 1910, it needs a total make-over in order for it to be a facility for more personnel of PGH.

4. Installation of Magnetic Resonance Imaging Equipment

No public hospital has a Magnetic Resonance Imaging machine. Only a few private hospitals in the country have this state-of-the-art diagnostic equipment. It is hoped that once this equipment is available in PGH, this will be fully utilized by our indigent countrymen.

5. Parking Building

The Hospital is a growing institution in a very limited area. As such, we should be able to provide better parking services for our faculty, staff, health and allied medical professions through multi-level parking facilities.

6. Installation of a Catheterization Laboratory Equipment

We would like to provide our patients, most especially our indigent patients, an access to modern equipment that will detect early abnormalities and malfunctions of the heart. As such, the catheterization laboratory equipment will complement the requirements of a hospital should we want PGH to continue as a premiere hospital.

Research and Training

The Philippine General Hospital will continue to be the locus of health researches that will significantly contribute to the nation's body of knowledge in health and medicine. Important breakthroughs will be disseminated and its technologies will be utilized. Specifically, we will strengthen the following programs:

- **Institutionalization of Gender Sensitive Programs**

We want to envision the Hospital giving equal importance and responding to issues and concerns with regard to men's and women's health and advocacy. Emerging health needs of men and women due to social, political and economic changes will serve as the bases of research. Training and continuing education, information and communication systems as well as research on women by women will be promoted.

- **Strong collaboration with the National institutes of Health and Other Research Units of UP Manila**

We want to complement the research capabilities and outputs of the Hospital with the rest of the colleges and units of UP Manila. By doing so, research outputs will be

translated into policy recommendations with national implications.

Information Technology

In order to become world-class medical facility, we need to rationalize and institutionalize data and information through the application of appropriate technology. This is being envisioned as a strategic tool towards organizational development. The initial special program will be the:

- **Computerization of Hospital Operations**

We need to systemize our Hospital information through the development of a software that will assist us in data management. These data will include personnel (health and non-health staff), administrative (accounting, budgeting, cashiering, auditing, bidding, procuring) and patient records.

Resource Generation Activities

Surely, our needs outpace the resources. As a growing institution, we need to continue to look for alternatives, aside from government subsidy, that will generate resource for programs and projects. Networking and linkages are essential to potent changes in the hospital. We intend to make everyone as partner of change.

Accomplishments from 1993-1998

1995

- **PGH** donated old but functional hospital beds, chairs, and equipment to other government hospitals that are in dire need of these.
 - **UP-MUSCULOSKELETAL TUMOR UNIT (UP-MUST UNIT), DEPARTMENT OF ORTHOPEDICS** - The first multidisciplinary team established for the treatment of extremity and spine tumors involving the department of orthopedics, Medical Oncology, Pathology, Radiation Oncology and Radiology, Pediatrics, Rehabilitation Medicine, Anesthesia and Pain, Psychiatry, and Nursing.
 - **MONTHLY BLOODLETTING ACTIVITY** at the PGH to contribute to the need for blood by its patients
 - **MONTHLY LECTURE SERIES**
 - **MONTHLY BALLROOM DANCING** - the administration saw the need for socialization among its staff. The activity fosters camaraderie and serves not only as a respite from the routine workload but also healthy form of exercise.
- PGH Auxiliary Board and Friends of PGH - inner Quadrangle
 - Sigma Delta Phi Alumni - Chapel Garden Association
 - Lingkod ER - Garden around ER
 - Upsilon Fraternity - Garden around Bloodbank
 - Mu Sigma Phi - Quadrangle between the Dept. of Medicine and Dept. of Surgery
 - PGH Nurses Association - Garden around the Nurses Home
 - PGH School of Nursing Alumni Association PGH Nursing Service
 - Phi Kappa Mu - Garden around OB-Gyne
 - Dietary Department - Garden near the Dietary Dept.
 - UP Los Banos - Herbal garden, main block c/o Chan. Ruben Villareal
 - Dept. of Rehabilitation Medicine - Rehab garden
 - Department of Pediatrics- Garden beside the SPED

1996

- **First Emergency Medical Technicians Basic Course** for the ambulance crew of the PGH Emergency Medical Services System conducted in December
 - **Adopt-a-Garden Project** was initiated in line with the Clelan and Green Program of the PGH. The following organizations / units were invited to act as foster parents of the different gardens and vacant spaces at PGH:
- Use of the **Chronolog ID** was implemented. An employee's ID is provided with an assigned barcode which is inserted in the Chronolog computerized time recorder in lieu of the bundy clock.
 - **Doctors' and Employees' Lounge** located at the second floor facing the front lobby area for rest and recreation of hospital personnel.

1997

- The first **Spine Center** in the Philippines allied with the PGH Department of orthopedics had started initial stage of its construction. This has been made possible through the assistance of Senator Alberto G. Romulo and Congressman Rolando R. andaya.
- **The Child Protection Unit** for abused children in cooperation with the Department of Social Welfare and Development, Department of Justice, National Bureau of investigation and the Philippine National Police.
- **The First First Aid Course for Manila Barangay Tanods** conducted by the Department of Emergency Medical Services.
- **Hizarov and Limb-Lengthening Unit, Department of orthopedics**
- The setting up of a **PGH Archives and Library**

Chapter 9

GOVERNANCE AND ADMINISTRATION

Governance and administration in the University of the Philippines Manila was greatly helped by mechanisms undertaken to consult constituents on programs and policies for wider acceptance, dissemination, and implementation.

The Assessment, Reaffirmation and Visioning (ARV) workshop held periodically provided the administration the necessary opportunity to feel the pulse of the university with regard to programs and policies. Representatives of all colleges and units take part in assessing previous activities and in planning for the years that followed. From 1994 to 1999, four ARV workshops were held.

The Chancellor's Advisory Council and the 40 committees Chancellor Santos Ocampo formed also facilitated the working of the university on varied concerns.

Policies and Procedures

UP Manila maintains a compilation of the administrative procedures for ready reference. In addition, a manual of operations is being completed. For each administrative procedure, the manual includes a listing of the activity, the person accountable and the time frame of completion.

This manual is being prepared by the chiefs of the administrative divisions.

Weekly meetings of the chiefs of the administrative divisions are also being held to tackle multidivisional concerns. Representatives of the units are invited for a more effective approach to problems concerning the units.

Monthly meetings of the administrative officers are also held. Memoranda and guidelines are elucidated during these meetings.

Physical Plant and Equipment Development

Many colleges/units benefited from the new construction projects as well as the renovation of existing facilities to meet the increasing demands posed by new or strengthened programs.

During the past six years, UP Manila provided each college and most of its units with its own building/office. These colleges/units were the College of Pharmacy, the College of Nursing, the College of Dentistry, the National Institutes of Health, the College of Arts and Sciences, the School of Health Sciences in Leyte, the Sports and Wellness Center, the Central Administration, the Ugnayan ng Pahinungod, the Creche and Child Center, the Learning Resource Center, the UP Manila Development Foundation, Inc., the University Library, the Chancellor's Guest Suite, the UP Provident Fund, and the Safe and Healthy University Committee.

Scheduled for construction are the College of Allied Medical Professions building for which Rep. Rolando Andaya donated five million pesos, the NIH Smart building, the NTTC-HP building, the student dorms and the UP Manila Carillon, and the offices of the following units: Learning Resource Center, Sentrong Wikang Filipino, National Graduate School for the Health Sciences, Faculty for Health Sciences (of the Open University) and the Property and Supply Office.

Other completed construction projects include the Multidisciplinary Laboratories inside the Doña Paz Mendoza Medical Memorial Building, the renovation of pharmacy and nursing auditoria, the CAS Little Theater, and laboratory rooms at the College of Medicine and the College of Arts and Sciences.

It also renovated and/or expanded the College of Medicine building and some academic and administrative support offices such as the Office of the University Registrar, and the Cash Division.

Extensive repairs were done for the College of Medicine Annex I, the College of Public Health (Lara Hall), the College of Arts and Sciences (Gusaling Jose Rizal), the UPM Main building (Gusaling Joaquin Gonzales) the UPM Annex I (Student Center).

Also attended to was the provision of cisterns, pylons for outstanding events, street lighting for Pedro Gil Street, the asphaltting of road ways (with assistance from Senator Juan M. Flavio), and construction of a uniform perimeter fence and gates around the campus.

In 1998, the College of Public Health Distance Education building was constructed through the donation of the German Agency for Technical Cooperation (GTZ).

An outstanding focus of facilities upgrading is the installation of the fiber-optic backbone to link the colleges and units of UP Manila through the Local and Wide Area Network (WAN) and for Internet connectivity (Please see separate report on Information Technology Development).

The blueprint for the setting up of an Information Technology Complex at the second floor of PGH was completed. To be hooked to the Internet, the complex will house all existing Information Technology offices such as the Information Management Service, the National Institutes of Health, the Medical Informatics Unit, the Electronic Data Processing of PGH, and the National Telehealth Center.

Part of the physical plant expansion is the upgrading of equipment to help each college/unit perform more effectively and efficiently its teaching function.

The past six years saw a sizable portion of donations to the University in terms of laboratory and classroom equipment. In addition, all colleges/units have acquired a considerable number of computers which helped them produce clear and good quality instructional materials to supplement their teaching. Most faculty members have their own e-mail addresses and are allowed internet access. The full operationalization of the WAN and LAN will greatly facilitate coordination and networking among the colleges/units.

The Electronic Medical Research and Library Database System (EMERALDS) and the University Library's being a member of the Department of Science and Technology-ESEP networking project are good sources of relevant data and information so crucial to the health and medical professions.

The list of infrastructure projects for the academic units and the Central Administration is in Appendix 9A.

A separate listing for PGH infrastructure is found in Chapter 8.

Fiscal Management

Financial Resources

The University derives funds from three sources: the national government, University income, and grants and donations.

For 1998, national government allocation for UP Manila amounted to P1,322,334,114.91 divided into Personnel Services - P939,310,236.91; Maintenance and other Operational Expenses - P325,093,878; and Capital Outlay - P57,930,000.00.

The programs/projects of expenditures were general administration and support services, personnel benefits, advance and higher education, research services, health services and extension services.

Sources of university income include hospital fees, tuition, sale of publications, rental of facilities, training fees, and others. Out of a total of P279,318,291.84 University income allotted for

1998 expenses, P264,023,269 were spent under the same programs/projects.

Resource Generation

In a span of six years, UP Manila's resource generation program yielded a tremendous building-up and expansion of its infrastructure and an enormous increase in the upgrading of its facilities and equipment since most of the donations received were for these specific purposes.

The University completed the construction of the College of Nursing, College of Pharmacy, College of Arts and Sciences Annex building, the National Institutes of Health building, the Chancellor's Guest Suite, and the equipping of these buildings through funds donated by legislators and other government agencies, alumni, and private individuals. Through the same sourcing, the College of Dentistry is also being constructed.

To encourage and facilitate more donations, several bodies were created in 1994 such as the Committee on Resource Generation, the UP Manila Development Foundation, Inc., and the Chancellor's Oblation Club.

The past six years also saw an overwhelming increase in the number of professional chair donations and scholarship and research grants for the different colleges.

From 1993-1998, UP Manila received a total of P149,587,398.37 in trust funds or an average of P24,931,233.06 each year.

A more detailed report of financial resources and expenditures of the units is in Appendix 9B.

Cost-Cutting Measures

Cost cutting measures have been emphasized with the national economic crunch in 1997. A task force was created to ensure the implementation of the measures and to monitor compliance.

The UP Manila Pahinungod made a big impact as a result of its Bantay Tubig Program; the University was able to realize a saving of P5.5 M in 1998.

Alumni Affairs

The Office of Alumni Affairs serves as link of UP Manila to its alumni and of the alumni to the UP Manila academic community. It is tasked with maintaining an updated roster of alumni, developing programs to attract alumni assistance to UP Manila, networking with alumni to encourage their participation and involvement in University affairs and providing services to alumni by assisting them in their homecoming celebrations and in their other activities.

Data Banking

The office published the first UP Manila Alumni Directory in 1994 through the assistance of corporate sponsors and is presently updating the directory to include the list of graduates from 1994 to 1996 and incorporate changes in address and status of alumni. The office intends to publish the second edition

of the directory in time for the general homecoming of UP Manila alumni.

The first issue of *The Pillars*, a collation of alumni donations from 1990-1994 was published in June 1994. Certificates of Appreciation signed by the Chancellor were sent to donors acknowledging their contributions and expressing the University's appreciation for their support and assistance. The donations come in form of cash, capital outlay, equipment, books, scholarship and faculty grants, endowment and trust funds.

A second volume of alumni donations from 1994-96 is scheduled for publication soon.

As an input to the UP Faculty Conference in 1995, the office conducted a survey and interviewed UPM alumni on their perceptions of UP ideals, on values that they continue to uphold and on what they consider as marks of a UP Manila alumnus/a.

The office is starting to input information regarding alumni in government, non-government and corporate offices, identifying areas of expertise and names of alumni who can be tapped to lend technical and professional assistance to the University's teaching, research and extension programs.

Networking

The office coordinates closely with the Alumni Affairs Officers of the various colleges. Regular meetings are scheduled with them by the Chair to monitor alumni activities in their respective

colleges and to identify alumni needs and college programs requiring alumni support.

The Chair also joins alumni associations in their homecoming celebrations and in their fellowship activities. During these events, the office distributes alumni directories, publications of IPPAO, brochures and other materials of interest to UP Manila alumni.

Together with the UP Manila Alumni Association, the office organized the Ugnayan in 1995, a social interaction activity among alumni and between alumni and UPM faculty and administration. Topics of common concern are discussed in these meetings.

Service to the Alumni

The Office of Alumni Affairs serves as Information Center to alumni. Information related to alumni matters are coursed through the office and disseminated to alumni.

It assists the UP Manila Alumni Association in organizing the general homecoming and acts as secretariat in its meetings.

In 1994, the office introduced the alumni ID card. The card entitles the alumni to the use of the library facilities in UP Manila as well as access to buildings and parking areas if they visit the colleges or attend University functions. A Privilege Book containing a list of discounts in commercial establishments and professional services is being prepared by the office as added benefit to alumni. The alumni ID card shall serve as the discount card.

Alumni Associations

Organized in 1994, the UP Manila Alumni Association serves as umbrella organization to all the college-based alumni associations. A Board of Directors, elected among nominees from the chapter associations, is elected during the annual homecoming. Presidents of chapter associations and the Chair of the Alumni Affairs Office are ex-officio members of the board.

The annual homecoming of the UPMAA coincides with the Foundation Day celebration of UP Manila. Initially scheduled in October, the Foundation Day celebration has been moved to June. Last year, in addition to nominating the outstanding alumni of UP Manila, the UPMAA decided to give professional awards to alumni who have contributed to national development, and to the improvement of the quality of life of the people and who have distinguished themselves in their professions.

The chapter alumni associations based in UP Manila include: College of Arts and Sciences Alumni Association, College of Allied Medical Professions Alumni Association, University of the Philippines Dental Alumni Association, University of the Philippine College of Nursing Alumni Association, University of the Philippines College of Nursing Alumni Association International, Philippine General Hospital School of Nursing Alumni Association, National Teacher Training Center for the Health Professions Alumni Association, University of the Philippines College of Pharmacy Alumni Association, University of the Philippines Medical Alumni Society and University of the Philippines Medical Alumni Society of America.

The above chapter alumni associations also have their respective plan of activities and accomplishments. A listing of these is in Appendix 9C.

The generous support of the chapter associations to UP Manila's faculty development, improvement of facilities and infrastructure, and scholarship grants have contributed to the successful implementation of many of these programs.

Linkages

Collaboration and networking with internal and external institutions, whether local or international enable UP Manila to strengthen and expand its academic, research, and extension programs through a sharing of resources and capabilities. These linkages provide UP Manila with a broader perspective of and new insights on program implementation. These are usually categorized as academic or research, and can be with internal units in UP Manila or with other UP autonomous campuses, or with government agencies, private institutions, nongovernmental organizations, or international agencies.

The past six years saw a significant increase in the new linkages and a strengthening of existing linkages. New programs such as the Ugnayan ng Pahinungod, School for Distance Education, Graduate School, the NIH, Child Protection Unit and many others paved the way for the establishment of more linkages with various universities, health agencies, and local government units.

In 1998, new agreements were signed with the following

international institutions:

- University of Queensland for a program of academic exchange and learning
- Department of Otorhinolaryngology, Head and Neck Surgery of University of Munich on educational, scientific and scholarly exchanges.
- Faculty of Medicine; University of Witten/Herdeku, Witten, Germany, on October 7, 1998
- Kobe University School of Medicine last November to promote cooperation in academic fields and research activities
- The College of Nursing finalized arrangements on a student exchange program with VUT

The University explored new linkages and areas of collaboration with the following institutions:

- Monash University in Gippsland, Victoria, Australia
- Japan and Japan Human Science Foundation, Gunma University, Japan
- The New Children's Hospital, Westmead, Australia
- Queensland Institute of Medical Research, Australia
- University of Sydney
- University of South Australia
- McQuarie University

Furthermore, UP Manila presented the final report of the 17-year old DOST-JSPS program in the field of medical sciences which ended in March 1998.

Centennial Celebration

UP Manila's role as the cradle of many of the original degree programs of the university was highlighted in 1998, the centennial year. At the same time, its role as the health campus was emphasized in the year-round lecture series on developments in the various health professions during the last 90 to 100 years. A cornucopia of various type of activities added color and pageantry to the centennial celebration.

January

The launching of the Centennial Celebrations and the Proclamation of the UP Decade was held at UP Manila, the site of the original central campus set up under the American colonizers when the university was founded in 1908. The year 1998 was a historical milestone to mark the 100 years of the inauguration of Philippine independence and the 90 years of the University of the Philippines. The launching was presided over by President Fidel V. Ramos and the First Lady, Mrs. Amelita M. Ramos. Among the major events held on January 26, 1998 were the burying of the time capsule, the ground breaking for the Apolinario Mabini Carillon, the opening of the centennial exhibits and the UP Centennial Message of President Ramos. Also held in January were the centennial lecture on Teaching in the Health Professions and the celebration of the second year of the founding of the National Institutes of Health. The opening of the Dean Julita V. Sotejo Memorabilia was also held on January 30.

February

Events in February included the centennial lecture on 100 Years of Dental Care in the Philippines during the 81st year founding of the College of Dentistry and the Dean Sotejo Lecture Series on "Nursing during the II World War." In the College of Arts and Sciences, Social Science week features an ethnographic exhibit of Agta and the presentation of "Pagdiriwang, Mga Koleksyon ng mga Awit para sa Sentenaryo." Even the Pahinungod program held a centennial symposium on various concepts and practices of Pahinungod with UP Manila being given the task of tracing the roots of the University to the Universidad Literaria in Malolos in relation to "100 Years of Voluntarism in the UP."

March

In celebration of women's month, various lectures discussed the indigenous concepts of gender in the Philippines and in Asia. At the same time a symposium on women's health featured outstanding women doctors led by Chancellor Perla Santos Ocampo who discussed the state of the art in various fields in medicine like pediatrics, cardiology, infectious diseases, etc.

April

The summer months were spent in "lakbay-aral" where UP Manila students and faculty joined field trips to historic places in Laguna, Cavite and Batangas. A trek to Mount Banahaw was lead by anthropologists in the Social Science department of the College of Arts and Sciences.

May

May as the month dedicated to labor featured a photo exhibit entitled "A Tribute to the Workingman" sponsored by the Manila Studies Program. The William Henry Scott Memorial Lecture which highlighted Dr. Scott's scholarly interests in prehistory, labor and church history, was held in Sagada, Mountain Province.

June

The month of June celebrated the 90th founding of the University and foundation day activities included a book launching of various titles published by IPPAO, an exhibit on the history of various colleges, a research poster contest and an awards night to give recognition to outstanding achievers in UP Manila. Other foundation day celebrations included those of the College of Medicine marking its 91st year, the 85th year of the College of Pharmacy, the 33rd year of the Institute of Ophthalmology and 22nd year of the School of Health Sciences. All celebrations featured a lecture on the history of the unit or the professions.

July

The month of July was marked by the silver jubilee of the College of Arts and Sciences where the professorial chair lectures included a discussion on indigenous dance forms, environment issues. A lecture on the history of public health in the Philippines was held at the College of Public Health.

August

The month featured a discussion of the history of biology in the Philippines during Biology Week. A presentation of the History of Ophthalmology in the Philippines was also held at the Institute of the Ophthalmology at the Philippine General Hospital.

September

The 88th year of the founding of the Philippine General Hospital was celebrated with cultural activities, which included a symposium on hospital care. A symposium on constitutionalism and the Malolos Congress was also held at the College of Arts and Sciences.

October

A history of sports and games was featured in October with the holding of actual sports competition and demonstration. A lecture on 100 Daang Taon ng Palaruan sa Pilipinas was given and Palarong Pilipino featured indigenous games.

November

The student movement was highlighted during the month with a discussion on "100 Taon ng Pagbubuo at Pagkilos ng mga Mag-aaral," a photo exhibit on Student movement in the Philippines, a play on Lean and a concert of protest songs. The 36th founding of the College of Allied Medical Professions was marked with a lecture on the history of the profession and the college.

December

The festive month of December was marked by the UP Manila week-long campus Christmas celebration which included an interactive exhibit on the health professions, the launching of the Manila Literary Folio, pocket performances of UP Manila cultural groups like the “gandingan, anklung,” the rondalla, the mime group, the faculty choir and a performance by the Philippine Philharmonic Orchestra. The year was capped by a systemwide Lantern Parade held at the Luneta with the parade of floats by the original colleges and a parade of lanterns of all UP campuses from Mindanao to Manila. The presentation revolved around UP history and traditions against a backdrop of Philippine history and culture.

The University of the Philippines Manila Foundation, Inc.

The University of the Philippines Manila Development Foundation, Inc. (UPMDFI) is a private institution created to contribute to the development and growth of UP Manila and to

national welfare by encouraging, undertaking, and/or underwriting the following programs: institutional development programs, basic and applied research, and creative work in the health sciences, natural sciences, biological sciences, social sciences and the humanities.

UPMDFI shall endeavor to supplement the resources made available by the government and the income generated by the University. It also serves as manager of UP Manila projects, providing initial capital requirement for these.

Through trust and endowment funds, UPMDFI, has in its portfolio twelve (12) professional chairs, nine (9) faculty grants, three (3) student awards for excellence and a trust fund for specific projects.

The UP Manila Chancellor's Oblation Club was established to recognize and honor donations for the benefit of the University of the Philippines Manila. Foundation donors have been awarded plaque of appreciation.

Chapter 10

FUTURE THRUSTS AND PLANS

On UP Manila's National Role

- Continued training of competent and relevant health professionals through the conferment of various degrees in health, the social sciences, and the humanities.
- Continued research and policy inputs for the government's health policy planning and formulation.
- Continued provision of model curricula in the health sciences, arts, and science professions.
- Continued advocacy of more relevant health policies through the generation and dissemination of research findings and technologies in health and related fields.
- Continued support for the UP Modernization Plan.
- Intensification of public education efforts.
- Activation of more programs and study groups under the National Institutes of Health.
- Work for the designation of other colleges (CD, CP, CAMP) as CHED Centers of Excellence.
- Continued provision of direct health care services through the Philippine General Hospital.

- * Renovation/rehabilitation of some service areas such as the Blood Bank, Immunopathology Section, and the Department of Medicine to accommodate increasing numbers of patients.

- * Establishment of the Surgical Endoscopy Unit where all diagnostic and therapeutic endoscopic procedures will be performed by the different surgical subspecialties.
- * Prioritization of the acquisition of state-of-the-art equipment and the upgrading of the facilities in the various areas of the hospital to accommodate an increasing number of patients.
- * Putting up of a waste machine that would process all biological waste of the hospital and those hospitals near PGH, this project is also expected to generate income.
- * Establishment of the fiber-optic local area network at the main hospital and Central Block area, the development/acquisition of appropriate software for in-hospital management information system, and pilot implementation of the first phase of the program.
- * Operationalization of the Spine Center and expansion of the organ transplantation program.
- * Continued serving of needy and remote communities through the various programs of the Ugnayan ng Pahinungod and through the University's community-based programs.
- * Improvement of existing programs.
- * Implementation of volunteer welfare activities.
- * Implementation of an effective monitoring system.
- * Establishment of more linkages with alumni and other institutions.

- * Establishment of communication networks in the country by improving its webpage.
 - * Institutionalization of Pahinungod through college/unit/office-initiated volunteer activities, linkages with student organizations, and Service Learning Option
 - * Improvement of office operations by coming out with a manual of operations for its programs.
- Strengthening of existing linkages with other academic institutions and exploration of new linkages.
 - Development of a proposal on CAMP as Regional Center for Training in Community-based Rehabilitation.

On Academic Program

- Continuing curricular review through the Task Force on the Future of Health Science Education.
- Offering of new degree programs.
- Conduct of an extensive review of health science education in the University, including enrollment and graduation trends and identifying causes of decline in enrollment.
- Implementation on a pilot basis of the Community-based Health and Development Program after identifying a common site for the program; participating colleges to include CPH, CM, CP, CAS.
- Continued strengthening of research and teaching activities and facilities, equipment upgrading of CM and CN in line with their designation as CHED Centers of Excellence, and the CAS Department of Biology as CHED Center of Development.
- Revision of the “Balik-Diwang Bayan” Program of the College of Arts and Sciences.
- Encouragement of graduate program development, student-centered learning and competency-based education.
- Rationalization of faculty base level.

On Student Welfare

- Continued holding of dialogues with and among students and encouraging their increased and more active participation and involvement in University affairs.
- Expansion of student scholarships and loan facilities.
- Continued strengthening of the Learning Assistance Programs and renovation of the office of the Learning Resource Center to accommodate more students and for improved services in all programs.
- Improvement in registration procedures through the computerization of registration in all colleges.
- Development and implementation of a series Skills Development Seminar Workshop to train students on computer literacy, multimedia production and composition, cartooning, public speaking, photography and scriptwriting which are essential in making class assignments/projects.
- Implementation of the Integrated Student Tracking System and linking it with the Student Information System.
- Enhancement of the Expanded ROTC program.
- Continued provision of more opportunities for the well-rounded development of students through cultural and social activities, sports and wellness program, and holding of lectures and fora on University and national issues.

- Continued holding of the Student Summit and advocating for more student reforms through UP Manila's current leadership of the KASAMA sa UP.
- Review of the School of Health Science's policy of mandatory leave for pregnant students.
- Continued review and implementation of the Socialized Tuition and Financial Assistance Program and other financial assistance programs.
- Completion of the Student Center including student lounges.

On Research and Publications

- Strengthening of organizational structures such as support services and capability building.
- Provision of support for NIH capability and facilities development.
- Operationalization of the Nursing Research Program under the NIH which will focus on nursing interventions model for the chronically ill and the elderly.
- Pursuit of legislation for the Institute of Pharmaceutical Sciences and Ear Research Institute under the NIH.
- Construction of a bigger animal laboratory and additional areas for programs and study groups.
- Continued holding of the Inventors-Innovators Fair, the regular research fora in the colleges/units, and upgrading of research skills and competence through the conduct of regular seminar workshops on research methodologies, etc.
- Continued publication of research findings through the UP Manila Journal and the journals of other colleges as well as UP Manila and UP System Publications.
- Continued expansion and upgrading of existing laboratories.

- Enhancement of operations of existing NIH institutes and activation of NIH programs for conversion to Institutes.
- Operationalization of college-level research and technical committees.

On Extension Services

- Improvement and expansion of direct health care services to the public.
- Implementation of the Comprehensive Community-based Health and Development Programs in identified areas on a pilot basis.
- Integration of the Service Learning Option in the curricula of some colleges.
- Expansion of non PGH-based direct services.
- Continued implementation and strengthening of existing community-based program of each college.
- Enhance continuing education program for health professionals.
- Development of a health data base.

On Library Development and Information Technology

- Conversion of the University Library into the National Library for the Health Sciences.
- Initial establishment of the Information, Technology Complex at PGH with is envisioned to house the following units: Teleconferencing Auditorium, Office of Information Management Support, Office of Extension and Continuing

Education, Computer Research and Information Technology for Health Program, Medical Information Unit, Electronic Data Processing Unit.

- Continued establishment of the “Health Cybermag” and operationalization of other projects under the National Telehealth Center.
- Expansion of the computerization of registration in other colleges with the operationalization of the Wide Area Network.
- Full implementation of the Integrated Library Management system (TINLIB).
- Expansion of the OPAC Local Area Network support system
- Strengthening of computer networks and cooperative programs.
- Upgrading of library collection to at least 60% of international standards.
- Acquisition of current library materials in various formats: CD-ROM and multi-media resources.
- Publication of the supplement to the Philippine Index Medicus Abstracts, 1996-1998 and its conversion to electronic format.
- Establishment of additional cybernooks.
- Strengthening of IT in education, patient care, continuing education and administration.
- Operationalization of the PGH computerization program.

On Personnel Welfare

- Implementation of guidelines for the Anti-Sexual Harassment Act of 1995.
- Expansion of support to staff continuing education.

- Continued integration and recognition of values inculcation and gender sensitivity in staff development programs.
- Continued holding of the Values Orientation Workshop.
- Continued recognition of values inculcation and gender sensitivity in staff development programs.
- Continued holding of the Values Orientation Workshop.
- Continued recognition of and provision of incentives and opportunities for various achievements through the conferment of the Employee of the Month award, the annual outstanding awards, the holding of the Investor-Innovators Fair, the yearly research fora.
- Continued recognition of outstanding achievements.
- Continued recognition of achievements in various fields through the various outstanding awards given as part of the University’s foundation celebrations.
- Continued granting of hospital discounts and study privileges to employees.
- Continued provision of a preschool facility and breastfeeding room for children of employees through the expanded UP Manila Creche and Child Center.
- Continued provision of sports and wellness programs such as ballroom dancing, aerobics, and putting up of the PGH Physical Fitness Center.
- Continued implementation of sports and wellness programs, cultural and artistic activities for students and constituents.
- Expansion of the membership of the PGH Bayanihan Multi-purpose Cooperative to UP Manila employees.
- Speedier resolution of administrative cases.
- Continued holding of the Orientation Program for new faculty members.
- Continued generation of funds for faculty and research grants and professorial chairs.

- Continued nomination of and provision of support for deserving faculty members in various competitions.

On Governance and Administration

- Nurturance of new programs/projects, e.g. Medical Arts Building and canteens.
- Enhancement of an aesthetic and environment-friendly surroundings for a healthier campus.
- Completion of ongoing infrastructure projects:
 - * College of Dentistry building Phase II
 - * UP Manila Main building
 - * UP Manila Annex building
 - * Information Technology Complex at PGH
 - * College of Medicine Annex Phase II
 - * College of Pharmacy Auditorium

- * CAMP Building Phase I
- * School of Health Sciences
- * CAS building fourth and fifth floors

- Continued provision of support for the activities of cultural and artistic groups in the University such as the UP Manila Chorale, UP Manila Garden Club, UP Manila Indayog, UP Manila Anak-Tibawan, Kopro Kalinga, etc.
- Strict implementation of austerity measures in the use of utilities and supplies like water, electricity, airconditioning units, etc.
- Strengthening of existing linkages with numerous local and international institution in the government, private and NGO sectors and exploration of new linkages.
- Continued provision of support for cultural and social groups and provision of opportunities for the holding of the activities of such groups.
- Full operationalization of the National Graduate School for the Health Sciences.

Appendix 1

Mission and Vision Statement UP Manila in the Service of the Filipino People

Perla D. Santos Ocampo, M.D.

The University of the Philippines Manila, for the welfare and good name of our beloved country, aims to achieve and sustain the eminent stature of a world-class university, the Alma Mater of competent and relevant professionals and achievers committed to the universal advancement and application of knowledge and skills for the well-being of the Filipino people and of mankind.

I BELIEVE

- In rendering service to the Filipino, bearing in mind his needs, dreams, and aspirations and in this way contributing to the development and progress of our country amid an environment of global competition.
- In preparing ourselves for the crucial challenges of the 21st Century.
- In our students as the intelligent and selfless leaders for the immediate tomorrow, nurturing them and creating for them a truly academic atmosphere that encourages them to obtain the best professional training and skills for coping with the demands of our country and the world.
- In our staff—faculty, REPS and administrative personnel—as our primary resource deserving of opportunities for personal development and career advancement that enable them to realize their full potential.
- In seeking national and international cooperation and collaboration that would help UP Manila realize its mission.
- In a democratic governance of UP Manila as a true academic community with fair representation from all sectors, putting in place a participative type of management and translating collegiality and transparency into practice.
- In democratizing access to UP education through continual and timely reforms in admission policies and affirmative action programs.

- In enhancing curricular relevance through constant review and revision and the progressive implementation of the Filipinization policy including the promotion of Filipino culture and language.
- In stimulating and advancing the search for new knowledge and truth and its utilization for the good of Philippine society and of humanity at large.
- In the need for solidarity and harmonious teamwork to attain our common objectives.
- In Divine Providence from whom emanates our courage and faith, our dedication and very existence.

Appendix 2

Instructional Plan for the Comprehensive Community Health Development Project

Title: The Generic Core Module on Community Health and Development

Learning Objectives: At the end of the core module on Community Health and Development the student should be able to:	Instructional Activities	Resources/Materials	Evaluation of Students
<p>General Instructional Objectives (GIO)</p> <p>GIO1 Appreciate the importance of establishing a working relationship with the people in the community in order to be an effective community worker.</p>	<ul style="list-style-type: none"> - Experience of living and working in the community 	<ul style="list-style-type: none"> - Community resources - Foster families 	
<p>Specific Behavioral Objectives (SBO)</p> <p>SBO 1.1 Collect and analyze data on the community in terms of demographic, political, environmental, economic, cultural characteristics, value systems, community resources and health practices and needs.</p> <p>SBO 1.2 Identify one's outlook, interest, prejudices, expectations and communication skills that influence his/her ability to relate effectively to the community.</p> <p>SBO 1.3 Identify the people's felt needs, values, problems, expectations and potential ability to improve this condition.</p>	<ul style="list-style-type: none"> - Community survey - Community diagnosis (Cdx) - Research - Self-awareness exercises - Group dynamics - Logbook or diary - Community assembly - Group discussion 	<ul style="list-style-type: none"> - Community members and records - Office equipment and supplies - Venue for assembly and discussion - A-V aids 	<p>Written report (group)</p> <p>Observation with checklist (individual)</p> <p>Analysis of logbooks</p> <p>Rating scales for self or peer report (1)</p> <p>Observation with checklist</p> <p>Written test (individual)</p> <p>Written report (group) (2)</p>

Learning Objectives: At the end of the core module on Community Health and Development the student should be able to:	Instructional Activities	Resources/Materials	Evaluation of Students
<p>GIO 2 Value the importance of Interdisciplinary Approach (IDA) for effective facilitation of community development.</p> <p>SBO 2.1 Adjust one's activities to those of other members of the team while performing his/her own role adequately</p> <p>SBO 2.2 Maintain open communication such that everyone integrates his/her work with others</p> <p>SBO 2.3 Acknowledge the role of the individual, the family and the community in the effective delivery of services</p> <p>SBO 2.4 Help in organizing the members of the IDA team, other sectors and the community in a spirit of cooperation</p>	<ul style="list-style-type: none"> - Lecture on IDA - Group discussions and meetings - Logbook - Group discussions - Logbook - Team meetings - Community assembly - Team meetings - Community assembly 	<ul style="list-style-type: none"> - Venue for lectures and discussions - Paper, board, chalk, A-V aids - Handouts - Materials for projects (variable) - Venue for meetings and discussions - Venue for meetings - Paper and other office supplies 	<p>Written test</p> <p>Rating scale for self (3)</p> <p>Analysis of logbook</p> <p>Observation with checklist or rating scale</p> <p>Written test or self-report</p> <p>Observation (3)</p> <p>Interview</p>
<p>GIO 3 Realize the significance of strategies and approaches for community health and development that are feasible with the socio-economic conditions of the community.</p> <p>SBO 3.1 Acquaint students with the philosophy, policies and programs of the Committee on Community Health and Development (CCHDP)</p>	<ul style="list-style-type: none"> - Lectures/presentations - Lecture/presentation discussion 	<ul style="list-style-type: none"> - Venue for lectures - Board, chalk, A-V aids - Handouts 	<p>Written test</p> <p>Interview</p>

Learning Objectives: At the end of the core module on Community Health and Development the student should be able to:	Instructional Activities	Resources/Materials	Evaluation of Students
<p>SBO 3.2 Apply the strategies and approaches of Primary Health Care (PHC) such as:</p> <ul style="list-style-type: none"> - training and utilization of health workers - community participation - inter and intra sectoral coordination - accessible and self-supporting projects - appropriate technology 	<ul style="list-style-type: none"> - Group and individual projects - Practical activities/provision of services 	<p>Variable</p> <p>Variable</p>	<p>Written test</p>
<p>SBO 3.3 Assist the community and staff of CCHDP in the implementation of existing programs of CCHDP and other organizations including the following:</p> <ul style="list-style-type: none"> - planning program of activities - implementation of activities such as: <ul style="list-style-type: none"> - provision of basic health services - community organization - coordination with other agencies - training of health workers in the community - evaluation of activities 	<ul style="list-style-type: none"> - Practical activities - Practical activities - Group and individual projects - Logbook - Group discussion 	<p>Variable</p> <p>Variable</p> <p>Venue for discussion</p>	<p>Written test</p> <p>Observation</p> <p>Analysis of logbook</p> <p>Written reports</p>

Learning Objectives: At the end of the core module on Community Health and Development the student should be able to:	Instructional Activities	Resources/Materials	Evaluation of Students
<p>GIO 4 Carry out the planned program of the interdisciplinary team and the community</p> <p>4.1 Formulate a plan for program or community project</p> <p>4.2 Implement the plan</p> <p>4.3 Evaluate the program or community project</p>	<ul style="list-style-type: none"> - Practical activities - Group and individual projects - Group discussion - Interview 	<p>Variable</p> <p>Variable Community resources</p> <p>Office supplies and equipment</p>	<p>Written report of program/ project Observation Interview Questionnaires Rating scales for self and peer performance</p> <p>(1) See CPH criteria for group field work EFG1</p> <p>(2) CPH criteria for written and oral report EFG3</p> <p>(3) CCHDP Evaluation Form 1 and 2</p>

Appendix 3

List of Private Scholarships at UP Manila

Scholarship/Study Grants	Field of Study	Terms of Reference Amount Donated	Benefits/Semester
Dr. Gregorio & Rizalina Lim Dr. Jose R. Perez	Medicine Medicine	1st year student To serve in rural areas for 6 mos. for every academic year of scholarship after passing the board	Free tuition fee P1,000 month Tuition fee P4,000 Book allowance P800 Monthly allowance P200 D39
Astrid L. Zialcita Francisco J. Nicolas Mercury Drug	Medicine any course BS Pharmacy or BS Industrial Pharmacy	From Southern Leyte STFAP bracket 1-4 Incoming 3rd year/P50,000	P10,500/semester P14,500 plus transportation allowance P2,000/semester
Irene Pascual Sarmiento Bailon de la Rama	Pharmacy, Law Agriculture, Medicine, Hygiene & Engineering	STFAP bracket 1-4 2nd year student	P2,000 semester P800/semester
Sumitomo Corporation	Any course	sophomore student	School fees P6,000 Book allowance P500 Monthly stipend P1,200
UPAA- Florida Chapter	Four year undergraduate course	1st year student	School fees P6,000 Book Allowance P500 Monthly stipend P1,200 Board & Lodging P1,000 Transportation allowance P200/mo. P2,500/semester
Metro Drug	Medicine Pharmacy	2nd year student	
UPAA - Tomas S Fonacier, Delfin J. Jaranilla, etc. for Cultural Minorities in	Any four or five year degree	Must belong to any of the cultural Minority groups in Luzon & Visayas	School fees P6,500 Book allowance P1,000

and the Visayas		financially needy	Travel allowance P2,000 Monthly stipend P1,500 board & lodging P1,500 Tuition fee of P3,000 Monthly stipend P500 Book allowance/year P1,000
Archie B.M. Laano Quezonian	Any field of study	From Quezon Province	P5,000/semester
Wheelchair & Disabled of the Phil. Inc. (WDAP) UPAA of Texas - Houston Chapter	any four or five- year course Any under- graduate course	Physically Handicapped STFAP bracket 7 or lower	School fees P6,000 Book allowance P500 Monthly stipend P1,200 Board and Lodging P1,000/month Transportation allowance P200/mo.
UPAA Northern California (Berkeley) Chapter	Any four-year course	financially needy	School fees P6,000 Book allowance P500 Monthly stipend P500 Transportation allowance P250
Ester Tanco	Medicine	Sophomore student STFAP bracket 7 or lower	School fees P4,500 Book allowance P1,000 Monthly stipend P500 P15,000/semester
Crisologo Cabacungan	any four or five- year course	STFAP bracket 1-3	
UPAA Metro Toronto	Any four or five- year degree program study classified by the university as quota course	financially needy	School fees P6,000 Book allowance P500 Monthly stipend P2,500 Transportation allowance P250
Joaquin Pleno	Education, Medicine Agricultural, Engineering and Chemistry		P3,000/semester

Appendix 4A

NIH-funded Researches

PROJECT TITLE	PROPONENT	Duration	Year completed
Biotechnology			
Characterization, cloning, sequencing and expression of egg antigen of <i>Schistosoma Jap</i>	Tiu, WU	1995-97 3-years	Jan 1999
Genetic characterization of virulent isolates of <i>Plasmodium faciparum</i>	Rivera, PT	1995-97 3-years	Nov 1998
Genetic and antigenic characterization of HIV-1 isolates from commercial sex workers and overseas contract workers from Metro-Manila	Barzaga, NG	1995-97 3-years	Jul 1997
Laboratory and field studies on the biological control potential of <i>Culicinyomyces</i> sp against selected medically important mosquitoes	Monzon, RB Panter C, etc	1995-97 3-years	Dec 1996 terminated
Development of Anti-HCV agglutination assay	Domingo, EO; Lim, EC; Lansang, MA	1995-97 3-years	
Development of an alternative test for the diagnosis of DHF using various host cell systems in vitro	Madraso, ED	1996-99 3-years	deferred
Development and optimization of some promising plant products as broad spectrum mosquito larvicides	Oliveros, MB; delas Llagas, L	1996 1-years	Dec 1997
Development of Monoclonal antibodies against human transferrin for use in the immunoassay detection of human serum transferrin	Leano, MB	1996 1-year	Dec 1998
Screening of indigenous plant products to detect bacteruria compared to DIPSTICK and routine urinalysis	Vergeire-Dalmaclon, G	1996 1-year	Nov 1997
Preparation of measles viral antigens and optimizing serological tests for detection of measles antibodies	Chan, VF; Bravo L; Lobo, J	1996 1-year	deferred
Development of TSH assay for screening congenital hypothyroidism	Padilla, C; de Guzman T; Domingo C	1996-97 2-year	Jan 1999
Laboratory and field studies on the biological control potential of <i>Culicinyomyces vlavisporus</i> , <i>Bacillus thuringensis</i> and <i>Bacillus sphericus</i> for control of mosquitoes	delas Llaga, L	1996-98 3-years	on-going

PROJECT TITLE	PROPONENT	Duration	Year completed
Biotechnological development of mosquitocidal microorganisms Culicinomyces clavisporus, Bacillus thuringensis and Bacillus sphericus	Tobias M	1996-98 3-years	on-going
Preparation of 30Kda antigen of mycobacterium tuberculosis for immunodiagnosis	Montoya, J; C.	Ang 1996-97 2-year	on-going
The immunomodulating effect of the crude extract from Momordia charantia and Tinospora crispa	Reynoso, CB	1997-98 2-years	on-going
Development of serotyping reagents for the detection of cholera species	Tobia MC Barzaga NG	1997- 99 3-years	on-going
Availability of bacillus subtilis spores for use in population screening for phenylketonuria	Bungay A Padilla C	1997 1-year	?
Field evaluation of formulated avocado extract against mosquito larvae in the Phil	delas Llagas L	1997 1-year	?
Purification, characterization, cloning, sequencing and expression of protease from S japonicum egg	Leonardo LR WU	Tiu 1998-00 3-years	on-going
A PCR study of the cysteine proteinase gene of Phil isolates of P falciparum	Rivera PT	1998-99 2-years	on-going
Development of bacterial oral vaccine in edible tissues of transgenic plants	Barzaga N	1998-00 3-years	on-going
Development of botanical molluscicides against Onco-melania hupensia quadras	Leonardo L	1998-00 3-years	on-going
Immune recognition of S japonicum vaccines by infected sera from different human population in endemic areas in the Phil	Ramirez BL	1998 1-year	on-going
Inst of Clinical Epidemiology			
Usefulness of intraoperative monitoring in tertiary hospital in Metro Manila	Villacin LC Punzalan FR Dans AL	1997 3 mos	deferred
Open labeled randomized controlled trial and economic evaluation of selected anti-microbial regimens in the OPD treatment of community acquired pneumonias in adults	Tan-Torres T	1998-99 2-years	on-going

PROJECT TITLE	PROPONENT	Duration	Year completed
Inst of Ophthalmology			
A topical preparation of heavy metal for the prevention and treatment of corneal infection	Cadiz MH	1996 1-year	Jul 1998
PGH eye injury registry	Tuano P Salceda S Nanagas J	1996 1-year	Dec 1997
Predisposing factor to age-related macular degeneration in humans	Nicolas, MG Noche RR Tuano PR	1997-98 2 years	on-going
Risk factor for primary open angle glaucoma in Filipinos: A Metro Manila case control study	Khu PM	1998-99 2-years	
Inst of Human Genetics			
Prevalence of birth defects among newborns	Padilla C Santos Ocampo	1996 1-year	on-going
Newborn screening of metabolic disorders (phenylketonuria, homocystinuria, galactosemia)	Padilla C	1997 1-year	on-going
Characterization of mutation in the dystrophin gene among Filipino Duchenne and Becker Muscular Dystrophy patients	Cutiongco EM	1998 1-year	
Cytogenetic analysis of solid tumors in children (Wilms, retin-blastoma, osteosarcoma)	Padilla CD	1998 1-year	
Inst of Pharmaceutical Sciences			
Studies on the hypercholelemic activity of zizyphus juba (mansanitas)	Oliveros M	1997 1-year	on-going
Preformulation studies on local materials for use as excipients: Waxes	Gutierrez LB	1997 1-year	on-going
Preformulation studies on local materials for use as excipients: Pigments	Gutierrez LB	1997 1-year	on-going
Preformulation studies on local materials for use as excipients in dosage formulation: 5 Pigments	Gutierrez L	1998 1-year	
The antipruritic action of Glinicidia sepium: Formulation of kakauati lotion (Phase 1)	Gutierrez L	1998 1-year	
Zerumbone from Zingiber Zerumbet as antispasmodic	Oliveros MB	1998 1-year	
Bioefficacy, toxicological and environmental effects of avocado powder as mosquito larvicide	Oliveros MB	1998 1-year	

PROJECT TITLE	PROPONENT	Duration	Year completed
Toxicity studies on Zizphus jujuba: A potential hypocholes-teromic agent	Oliveros MB	1998 1-year	?
Computer Research & IT for Health			
The study group on Y2K relevance in health	Marcelo A	1998 4-mos	on-going
The study group on standard for health informatics	Marcelo A	1998 6 mos	on-going
Medical Bioengineering			
Hand-sewn endoluminal suture vs metallic endovascular stent effects on the distal draft anastomosis	Quintos R	1998 1-year	
Child Health & Development			
A socio-epidemiological study of child abuse in Filipino families	Ramiro LS Santos Ocampo Madrid B	1996 1-year	Jul 1998
Incidence, clinical and microbiologic characteristics of nosocomial infection in children	Ong-Lim AL	1997 1-year	Dec 1998
A qualitative study of schoolchildren's food preference in selected schools in Metro Mla	Ong R	1997 1-year	Jun 1998
Human leukocyte Class II antigens in Filipino pediatric patients with rheumatic heart disease	Ortiz, E	1998 6 mos	
A double blind randomized placebo-controlled trial on the use of recombinant human granulocyte colony stimulating factor for the prevention and control of sepsis among very low birthweight infants	Mantaring JB	1998 1-year	
The Filipino mother's diet and their lactational performance	Agrasada CV	1998 1-year	
Human Reproduction			
Immunologic Disorders			
Identification and characterization of local house dust for allegenic properties	Abong J	1998 1-year	
Infectious Diseases			
Field epidemiological studies on malaria in a low endemic area in the Philippines	Belizario VY Cruz AC delas Llagas LA Rivera PT	1996 1-year	1997

PROJECT TITLE

	PROPONENT	Duration	Year completed
Antimicrobial and insect growth regulatory activity evaluation of marine organisms	Maini H	1996 1-year	1998
Immunofluorescent antibody for serologic diagnosis of invasive amoebiasis	Rivera P Nolasco ET Sio J	1996 1-year	1998
Information Center for Disease Control			
Feasibility of a computerized hospital-based information system for injury surveillance	Sarol J Maramba I	1997 1-year	on-going
Mental Health			
Long term effects of separation on the children of overseas contract workers	Banaag CG Querejero MM Calma NM	1996 1-year	1997
Effectiveness of critical incident stress debriefing as a psycho-social intervention for disaster victims	Ignacio L Ronquillo E	1996 6-mos	1997
Assessing psychosocial factor of overseas Filipino women workers	Kuan L Anonuevo C	1996 1-year	1998
Occupational/Environmental Health			
Assessment of health risks from the use of hazardous substance in the workplace	Vitasa BC	1997 1-year	on-going
Oncology			
Establishment of musculo-skeletal tumor team	Wang E	1996 1-year	1997
Limb salvage vs amputation for aggressive and malignant tumors around the knee	Wang E	1996 1-year	1998
Epidemiologic, clinical and genetic predisposition of Filipino breast cancer patients of PGH	Villalon A Tanael S Reyes M Wang E	1997 1-year	on-going
Bone transplantation (allograft) in limb-saving surgeries for extremity bone tumors	Wang E	1998 1-year	
Tru-cut biopsy in musculoskeletal tumors: Validation and economic evaluation study	Wang E	1998 1-year	
Aging & Degenerative Diseases			
The long term effects of pulmonary rehabilitation on stable COPD patients	Canizares L	1996 1-year	on-going

PROJECT TITLE	PROPONENT	Duration	Year completed
Profile and functional outcome of post-stroke geriatric patients in the PGH setting	Mojica JA	1998 1-year	
Prevention & Rehabilitation of Disabilities Prevention and early detection of physical disabilities and learning difficulties among Grade 1 pupils in Montalban, Rizal	Magallona, L	1995- 2000 5-years	on-going
Acoustic and physiological correlation of socially acceptable speech in the cleft palate speakers	Mojica GD	1997 1-year	on-going
Parameters for normal voice production among Filipinos	Mojica GD	1997 1-year	on-going
Community Health & Development Primary schoolchildren as messengers of information on rational use of drugs	Sia IC	1996 1-year	1997
Towards rational drug use in the community: The role of the rural health midwife in purok-based activities	Sia IC	1996 1-year	1998
Development of a model for an interdisciplinary community based program	Mencias C	1997 18 mos	on-going
Social & Humanistic Studies in Health Attitudes of Filipino medical teachers towards teaching	Sana, E.	1995 1-year	1996
Survey of clients' preference of service providers' characteristics in OB-Gyn	Festin MR	1996 8-mos	1998
Impact of water pollution in the quality of life of Navotas fore shore residents	Torres C	1997	on-going
Culture sensitivity training for health professionals in indigenous communities	Castillo F	1997 1-year	on-going
Complementary & Traditional Medicine Study on the knowledge, attitudes and practices of mothers from three selected communities in Metro Manila on the use of traditional medicine	Sia IC	1997	on-going
Ethnopharmacologic documentation of selected Phil ethnolinguistic groups: the Bugkalot people of Nueva Viscaya and Quirino	Santos Helen Sia IC	1997 1-year 1997 1-year	on-going on-going

PROJECT TITLE

PROJECT TITLE	PROPONENT	Duration	Year completed
Ethnopharmacologic documentation of selected Philippine ethnolinguistic groups: the Mangyan (Iraya) people of Mindoro Island	Sia, I	1998-99	
Ethnopharmacologic documentation of selected Philippine ethnolinguistic groups: the Mangyan (Buhid) people of Mindoro Island	Santiago A	1998-99	
Ethnopharmacologic documentation of selected Philippine ethnolinguistic groups: the Mangyan (Tadyawan) people of Mindoro Island	Rubite R	1998-99	
Ethnopharmacologic documentation of selected Philippine ethnolinguistic groups: the Mangyan (Alangan) people of Mindoro Island	Lacdan N	1998-99	
Ethnopharmacologic documentation of selected Philippine ethnolinguistic groups: the Mangyan (Hanunuo) people of Mindoro Island	Padilla S	1998-99	
Health Policy & Management			
Financing quality health care in the Philippines	Mella MP	1996 1-year	deferred
Health policy and strategic planning program :RTD	Lorenzo M	1997 1-year	on – going
Health human resource supply and demand: The nursing dilemma	Corcega T Lorenzo M Yabes JJ	1997 1-year	on-going
Phil Health Factbook	Lorenzo FM	1998 1-year	
HPSPP-RTD project	Lorenzo, ME Mabunga SY	1998 1-year	
Health human resource dev: The career profile of the dental graduates in the Phil	Cruz-Lago L	1998 1-year	
Health human resource supply and demand: The pharmacy profession	Cruz IR	1998 1-year	
Nursing Development			
Oral Health			
Regional & International Health			
Special project			
Phil Index Medicus Abstract 1991-1994	Rosal, R	1995-96	1997

Appendix 4B

Papers/Articles Published

College of Allied Medical Professions

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Magallona, Ma Lucia M Mencias, Cristina	Development of a generic core module for community-based education: The UPM experience	UP Manila Journal	3:02	1997 April-June		x	
Magallona, Ma Lucia M	Transdisciplinary approach: Is the day of the multi-therapist with us already?	Human Communication	3:04	1994 Aug-Sept		x	
Magallona, Ma Lucia M Wirz, Sheila	Transdisciplinary approach: An alternative approach to rehabilitation	Technical Cooperation Journal	1:02	1993 Dec			
Mojica, Georgina D Mojica, Jose Alvin P	Training the post-stroke aphasic patient	Med Jour of dela Salle Univ	9:02	1993 Dec		x	

College of Arts and Sciences

Author/Co-author(s)	Title of Paper/Article	Journal/ Proceeding	Vol/No	Issue date	Pages	Loc	For
Palabrica, Josephine M, et al	Fat and skinfold patterning in national elite female Filipino judo athletes	Biology of Sports	15:2	1998	87-98	x	
Gavino, Pacita	Of wooden swords and golden bracelets: Philippine Theater 1565-1898	Igkas-Artes		1998		x	
Palabrica, Josephine M, et al	Physique of national elite female Filipino judo athletes	Acta Kinesiologiae Univ Tartuensis	3:	1998	49-56		x
de Veyra, Miriam & Pocsidio GN	Potential protective effect of calcium carbonate in liming agent against copper toxicity in the African Tilapia, <i>Oreochromis mossambicus</i>	Sc of Total Environment	214:	1998	193-202		
Nicolas, Marilou Fujiki K, Murayama K, et al	Studies on the mechanism of early onset muscular degeneration in cynomolus monkey: III Metallothionein synthesis and drusen	for publication		1998			
Simbulan, Nymia P	A situation of children in the Philippines: Issues and challenges	UP Manila Jour	3:1	1997		x	
Simbulan, Nymia Hernandez Laufred Imperial Reynaldo, et al	An ethnography of male sex workers in the Philippines	UP Manila Jour	3:1	1997	43-51	x	
Mactal, Ronald B	Ang kabayanihan sa labas ng bansa, 1897-1903	Diliman Review	Nov	1997		x	
Mactal, Ronald B	Ang rebolusyong Pilipino sa Europa: Ang pagpapatuloy ng rebolusyong Pilipino sa Ibang bansa	Pithaya		1997		x	
Isonera, Efen	Inisyal na pagtataya ng mga sityong istoriko-cultural sa bayan ng Pandacan, Catanduanes	The Islander	9:134	1997		x	
Rubite, Rosario R	The effect of cytokines on the growth and proliferation of human malignant melanoma cells in vitro	UP Manila Jour	3:1	1997		x	

Author/Co-author(s)	Title of Paper/Article	Journal/ Proceeding	Vol/No	Issue date	Pages	Loc	For
Simbulan, Nymia P	The psychosocial factors influencing patient non-compliance in the anti-tuberculosis short course chemotherapy	UP Manila Jour	3:3	1997		x	
Simbulan, Nymia P Tayag, Josefina	The seafaring population in the Philippines: Their lifestyle and work environment	UP Manila Jour	3:1	1997		x	
Imperial, Reynaldo Simbulan, Nymia	A process evaluation of the OPD operating room system of the PGH	UP Manila Jour	2:	1996	23-29	x	
Villar, Rafael Alcantara	Book Review: Rethinking communication	PSSC Social Science Information	22:2-4	1996	52-59	x	
Castillo, Fatima	People's attitudes to and knowledge of voluntary blood donation	UP Manila Jour		1996		x	
Nicolas, Marilou Fujiki K, Murayama K, et al	Studies on the mechanism of early onset macular degeneration in cynomolgus monkey: I Abnormal concentration of two proteins in the retina	Exp Eye Research	62:	1996			x
Nicolas, Marilou Fujiki K, Murayama K, et al	Studies on the mechanism of early onset macular degeneration in cynomolgus monkey: II Suppression of metallothionein synthesis in the retina in oxidative stress	Exp Eye Research	62:	1996			x
Castillo, Fatima	The social component of AIDS prevention among commercial sex workers	UP Manila Jour		1996		x	
Suzuki, MP, Hayakawa M Nicolas, Marilou, Kanai A, et al	A case of progressive macular degeneration in colony : Born cynomolgus monkey	Animal Eye Research	14:	1995			x
Fujiki K, Hotta V, Hayakawa M, Nicolas Marilou, et al	Candidate gene approach of retinitis	Jpn J Human Genet	40:	1995			x

Author/Co-author(s)	Title of Paper/Article	Journal/ Proceeding	Vol/No	Issue date	Pages	Loc	For
Nicolas, Marilou Murayama K, et al	Fujiki K, Detection and sequencing of metallothionein from the retina of cynomolgus monkey	Proceedings 6th Asian Chemical Cong	May	1995			
Gavino, Pacita	English language teaching and the social services	J Asian English Studies	1:1-2	1995	56-59		x
Mactal, Ronald B	Mga kontrobersyon sa bayad pinsal ng Espanya: Isang paglilinas	Diliman Review	43:3-4	1995		x	
Nicolas, Marilou Murayama K, et al	Fujiki K, Studies on the mechanism of early onset molecular degeneration in cynomolgus monkey	Proceedings ARVO Ann Conf	May	1995			
Nicolas, Marilou Murayama K, et al	Fujiki K, Synthesis of metallothionein in the retina of cynomolgus monkeys	Kimika	2:	1995	19-23		x
Simbula, Nymia	The economics of community-based organizations in AIDS prevention	UP Manila Jour	1:1	1995	37-46	x	
Gavino, Pacita	Synopsis of Ang Kalupi sarswela	CCP Encyclopedia of Phil Art		1994		x	
Zamora PMS, Chaimong kol C, Beltran-Amoroso, Marza, Miriam Ruth	Structure and development of the gameto + B23phytes of Phil Cheilanthoids ferns: I <i>Cheilanthes dilimanensis</i> Zamora	Phil J Science	122:3	1993	233-253	x	
delos Reyes, Josefina	Manila's centrality in health services and medicine MSP Inaugural Lecture		1:1-4 Jan-Dec	1991		x	

College of Dentistry

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc
Escoto, Elmer	Case report: Cystic management in a 10-year old child	J Phil Dental Ass	50:1	1998	34-38	x
Jimena, Edna	Endodontic needs of geriatric patients in private practice	J Phil Dental Ass	49:4	1998	5-21	x
Gervasio, Natividad Escoto, ET, Cham WY	Oral health status of institutionalized geriatric residents in Metro Manila	J Phil Dental Ass	50:1	1998	4-23	x
Amante, Alvin C	Case report: Malignant fibrous histiocytoma of the maxilla	J Phil Dental Ass	44:1	1997	20-26	x
Lago, Leonor	A cephalometric study of incisor axial inclination and lip posture in Filipinos	DDM Jour	7:1	1994	10-15	x
Gervasio, Natividad	Ectodermal dysplasia: Its pedigree and manifestations in Filipinos	DDM Jour	7:1	1994	5-9	x
Macasaet, Avelino	Emission of mercury from amalgam fillings	DDM Jour	7:4	1994	25-53	x
Gervasio, Natividad	The oral manifestations of Down Syndrome in Filipino patients	DDM Jour	7:4	1994	245-49	x

College of Medicine

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol. / No.	Issue Date	Pages	Loc	For
Dr. Kenneth Y. Hartigan-Go	Acta Medica Philippina 1994 "Management of Chemical Incidents: On-site and Supporting Facilities Prior to Hospitalization"		0:00	1994	135-140	X	
Mario J. Valenton, M.D.	Japanese Journal of Ophthalmology "Wound Infection after Cataract Surgery"	Journal		1995			X
Dr. Leonard Khu	Western Pacific Orthopedic Asso. Convention in Hong Kong "Trucut Biopsy: The PGH Experience"	Free papers		Jun-1905			X
Dr. Edgar Michael Eufemio	Western Pacific Orthopedic Asso. Convention in Hong Kong "Interobserver Reliability and Interobserver Reproducibility Using Neer Classification"	Free papers		Jun-1905			X
Dr. Norman Cabrera	Western Pacific Orthopedic Association Convention in Hong Kong "The Use of CT Scan in Evaluating Atypical Potts Disease"	free papers					
Department of Pediatrics	"From the Neonate to the Adolescent: A Continuum of Care" "Challenges in the 90's: Pediatric Cancer and Infectious Disease"	Proceedings		Jun-1905		X	
Department of Surgery	Residents Manual Year level IV, Syllabus Year Level V Syllabus, PGH Burn Unit handbook, B11 Trauma Handbook	Journal		1995		X	
Dr. Kenneth Y. Hartigan-Go	Phil. Journal of Internal Medicine	Journal	33	1995		6	X
Dr. Irma I. Makalinao	Quarterly publication of the Philippine National Drug Policy Office on the rational use of drugs "Paracetamol: a drug or poison?"		Vol. 4 No. 2	1995			X

College of Medicine

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol. / No.	Issue Date	Pages	Loc	For
Dr. Irma I. Makalinao	American Journal of Emergency Medicine 1995 "The management and outcome of metallic mercury injection among Filipino male adolescents"	Journal		1995		X	
Dr. Kenneth Y. Hartigan-Go (with RM Hussain, SHL Thomas & GA Ford)	British Journal of Clinical Pharmacology 1996 "E + B3ffect of oxybutynin on the Qtc interval in elderly patients with urinary incontinence"	Journal	41	1996	73-75		X
Dr. Kenneth Y. Hartigan-Go (with DN Bateman, AK Daly & SHL thomas)	Clinical Pharmacology and Therapeutics '96 "Stereoselective Cardiotoxic Effects of Terodiline"		60	1996	89-98		
Dr. Kenneth Y. Hartigan-Go	Phil. Journal of Internal Medicine "Red Tide Poisoning"			1996		X	
Dr. Cleotilde H. How	"Proceedings of the 7th Southeast Asian/Western Pacific Regional Meeting of Pharmacologists"	Proceedings		1996		X	
Dr. Irma I. Makalinao	The Critical Care Management of Red Tide Poisoning	Proceedings		1996		X	
Dr. Irma I. Makalinao	"Clinical course and outcome of a nearly fatal contoxin poisoning: a case report"	Journal		1996		X	
Dr. Irma I. Makalinao	"Red tide poisoning: the Philippine experience"	Journal		1996		X	
Dr. Romeo F. Quijano	"Community-based drug utilization studies"	Proceedings		1996		X	
Dr. Conrado Dayrit	Second Daniel de la Paz Memorial Lecture: Pharmacology for therapeutics then and now	Proceedings		1996		X	

College of Medicine

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol. / No.	Issue Date	Pages	Loc	For
Dr. Crisostomo Arcilla Jr. Dr. Serafin Hilvano Dr. Antonio Limson Dr. Mario de Villa	Asian Journal of Surgery "Update on the management of obstructive jaundice Hepatobiliary TB at PGH	Journal	vol. 19 No. 4	Jun-05			X
Dr. Crisostomo Arcilla Jr. Dr. Kent-Man Chu Dr. Edward C. S. Lai Dr. Sabah A. Jaeedi Dr. Chung-Mau Lo Dr. Chi-Leung Liu Dr. Sheung-Tat Fan Dr. John Wong	World journal of Surgery "Intrahepatic Cholangiocarcinoma"	Journal	21	1997	301-306		X
Dr. Zorayda E. Leopando	Proceedings of the intl. teacher training workshop in family medicine, WONCA Middle East and South Asia Region "Lesson and Experiences in family medicine in Asia Pacific"	Proceedings		1998			X
Dr. Zorayda E. Leopando	Proceedings of the intl. teacher training workshop in family medicine, WONCA Middle East and South Asia Region "Continuing medical education in family medicine"	Proceedings		1998			X

College of Medicine

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol. / No.	Issue Date	Pages	Loc	For
Eugenio-Sarmiento R, Lim-Vitug A, Salido E, Amante C,	Asean Pac. League of Asso. In Rheumatology (APLAR) journal abstract "Adverse drug reactions to rheumatoid arthritis patients"	Journal		1998			X
Alejandria, M Manapat, H.	Phil. Journal of Microbial and Infectious diseases "3-day vs conventional antibiotic regimen for uncomplicated UTI in women; a meta-analysis"	Journal	27	1998	2	X	
Tongol R, Racho A, Yuson E, Caviles A,	Phil. Journal of Medicine "Retinoic acid syndrome complicating ATRA in acute Promyelocytic Leukemia"	Journal		1998		X	
Dr. Reynaldo Joson	Philippine Journal of Surgical Specialties "Clinical Response of Nodular Colloid Adenomatous Goiters to Thyroid Hormone Suppression"	Journal	Vol. 53 No. 1	1998		X	

College of Nursing

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc
Kuan, Letty	Death and dying	PACE	4:1	1998	3-6	x
Kuan, Letty	Dynamics of happy aging	Pananaw	8:1-2	1998	25-27	x
Kuan, Letty	Nursing of years to come	Phil J Nursing	69:3-4	1998	7-10	x
Kuan, Letty	Nursing of yesteryears	Phil J Nursing	69:1-2	1998	6-10	x
Barcelo, Teresita	Nursing research in MCN	Phil J Nursing	69:1-2	1998	11-18	x
Vidal, Victoria	Philippine nursing and the PNA	Phil J Nursing	69:1-2	1998		x
Corcega, Thelma	PNA in retrospect	Phil J Nursing	69:1-2	1998	2-5	x
Vidal, Victoria	Vision for nurses and nursing in the 3rd millenium	Phil J Nursing	69:1-2	1998		x

College of Pharmacy

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Quirino, Joselito	On-line concentration of neutral analytes for micellar electrokinetic chromatography: 3 Polarity switching sample injection	J Chromatography		1998			x
Quirino, Joselito	On-line concentration of neutral analytes for micellar electrokinetic chromatography: 4 Field enhanced electrokinetic injection	J Chromatography		1998			x
Quirino, Joselito	On-line concentration of neutral analytes for micellar electrokinetic chromatography: 5. Field enhanced electrokinetic injection with reverse migrating micelles	J Chromatography		1998			x
Catabay, Alicia	Retention behavior of small polycyclic aromatic hydrocarbons on cholesteryl-10-undecenoate bonded phase in micro column liquid chromatography	Chromatographia	47:	1998	13-20		x
Catabay, Alicia	Separation of 1,4-benzodiazepines and analogues using cholesteryl-10-undecenoate bonded phase in microcolumn liquid chromatography	J Chromatographic Science	36	1998	111-8		x
Robles, Yolanda R	Continuing Professional Education in Pharmacy in the Philippines: 1 A historical perspective	J Social and Adm Pharmacy	14:1	1997	48-51	x	
Robles, Yolanda R	Continuing Professional Education in Pharmacy in the Philippines: 2 A current perspective	J Social and Adm Pharmacy	14:2	1997	124-31	x	
delos Reyes, Gerlie Edrada Ru An	Isolation and structure elucidation of ardisenone	J Nat Products	60:5	1997	5335-5	x	

College of Public Health

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
College of Public Health - Dept of Environmental & Occupational Health							
Torres, Elma	Bias in notifiable disease data: A case study on environmental health in the Phil	Int J Occ Env Health	3:4 Oct-Nov	1997			x
Torres, Elma	Impact of residential nitrogen dioxide exposure on personal safety: An international study	J Air and Waste Mgt		1997			
Lu, Jinky	PASMA work-related problems in the Philippines	UP Manila Jour	3:1 Jan-Mar	1997	1-5	x	
College of Public Health - Dept of Epidemiology & Biostatistics							
Saniel, Ofelia	Surveillance of HIV and selected risk factors	STD/HIV	1:1 Jun	1997	1-6		
Borja, Medel	Sexual behavior and low levels of HIV risks among Filipino male sex workers	J AIDS					
Borja, Medel	The common clinical signs and symptoms of malaria in the endemic area	Acta Medica Phil				x	
College of Public Health - Dept of Medical Microbiology							
Barzaga, Nina	Hantavirus infection in two Filipino patients with jaundice	Phil J Microbiology & Infectious Dis	28:1 Jan-Mar	1999			
Barzaga, Nina	Genotype analysis of HIV-1 isolates from various risk groups in Metro Manila	Phil J Microbiology & Infectious Dis	27:4 Oct-Dec	1998	137-142	x	
Barzaga, Nina	Immungenicity and reactogenicity of inactivated hepatitis A virus vaccine	Phil J Microbiology & Infectious Dis	27:1 Jan-Mar	1998		x	
Barzaga, Nina	Differential distribution of hepatitis C virus subtypes in Asia	Southeast Asian J of Trop Med & Public Health	28:	1997	23-31		x

College of Public Health

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Barzaga, Nina Flores RH	Hepatitis E virus infection diagnosed by serology: A report of cases at the San Lazaro	Phil J Microbiology & Infectious Dis	26:4 Oct-Dec	1997	169-172	x	
Chan, Veronica Flores RH	Immune response to three doses of 1.5 ug/dose of hepatitis B vaccine among infants in Bay, Laguna and Allen, N Samar	J Pediatrics	46:	1997	35-38		
Chan, Veronica	Influenza virus A/Phil/15/97 isolated from Metro Manila epidemic 1997	Flunet	Sep	1997			x
Chan, Veronica	Preventing influenza: Vaccine in the workplace	Medical Observer	6:10	1997			
Chan, Veronica	Vaxigrip: Dependable against influenza	Perspective	6:5	1997			
College of Public Health - Dept of Parasitology							
Rivera, Pilarita	A 23kD molecule of P falciparum binds specific IgC from splenomegalic, parasitemic but asymptomatic children: A pilot study in malarious community in Palawan, Phil	Jpn J Trop Med & Hygiene	25:1 Mar	1997			x
delas Llagas, Lilian	Efficacy of some botanical abstract against medically important mosquitoes	Transactions NAST	17:	1997	225-	x	
Belizario, Vicente Jr	Field epidemiological studies on malaria in a low endemic area in the Philippines	Acta Tropica	63:4 Mar	1997	241-256		x
Rivera, Pilarita	Management of severe and complicated malaria in Asian countries	Clin Parasitology	8:1	1997	36-38		x
Villacorta EA	Risk factors for infection with malaria in a low endemic community in Bataan, Phil	Acta Tropica	63:4 Mar	1997	257-266		x
Belizario, Vicente Jr	Stability of malaria in a community in Bataan, Phil: Prospects for control	Acta Tropica	63:4 Mar	1997	267-273		x

College of Public Health

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
de Leon, Winifreda	The relation between serum fatty acids and soil-transmitted helminthiasis in the Phil	Southeast Asian J of Trop Med & Public Health	28:2	1997	329-334		x
Belizario, Vicente Jr	Vector abundance and behaviour in an area of low endemicity in Bataan, Phi	Acta Tropica	63:4	1997	209-220		x
College of Public Health - Dept of Health Promotion and Education							
Tiglao, Teodora	Quo Vadis, patient education?	UP Manila Jour	3:3	1997	43-50		
Tiglao, Teodora & Tempongko, Sandra	A community PAR approach to HIV/AIDS prevention among sex workers		3:4	1996			
			Dec				
Tempongko, Sandra	A process evaluation of the out-patient department operating room system in PGH	UP Manila Jour	2:1	1996			
			Jan-Mar				
Tiglao, Teodora & Tempongko, Sandra	AIDS knowledge, awareness and attitude in Metro Manila	UP Manila Jour	4:	1996			
			Oct-Dec				
Tiglao, Teodora & Tempongko, Sandra	Sexual behaviour and HIV/AIDS in Metro Manila	UP Manila Jour	4:	1996			
			Oct-Dec				
Tempongko, Sandra	Extended observation: Its uses and limitation in studies of hygiene behavior	UP Manila Jour	1:2	1995	82-87		
			Jul-Dec				
Tiglao, Teodora	Status of patient education programs in selected hospitals: National survey	UP Manila Jour	1:2	1995			
Tiglao, Teodora & Tempongko, Sandra	A qualitative approach to the study of hygiene behavior: A local experience	Acta Medica Phi	29:3	1993			
			Jul-Aug				

College of Public Health

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Tiglaio, Teodora	Explanatory model of sexually transmitted diseases among female sex workers in Metro Manila and Metro Cebu: A qualitative research	UP Manila Jour					
College of Public Health -Dept of Nutrition							
Benito, Marilyn	Non-occupational exposure of adult women in Manila, Phil to lead and cadmium	Science of Environment	215	1998			
Benito, Marilyn	Total duplicate study on nutrient intakes of working women in Manila	Tohoku J of Exp Med	184	1998			
Benito, Marilyn	Hepatitis B & C virus infection prevalence among women in Manila, Phil	Southeast Asian J of Trop Med & Public Health	28:4	1997			

National Teachers Training Center for the Health Professions

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc
Gailan, Tarlochan	Attitude development and evaluation in anatomy and physiology	UP Manila Jour	3:2 Apr-Jun	1997		x
Mencias, CF Magallona ML Mencias, CF	Development of a generic course for community based education From didactic skills to quality teaching	UP Manila Jour Med J of dela Salle Univ	3:2 Apr-Jun 13:1 Apr-Jun	1997	28-35	x x
Fajutagana, Nemuel	Identifying subject for community-oriented medical education: A Delphi study	UP Manila Jour	2:3 Apr-Jun	1997	1-16	x
Fajutagana, Nemuel & Omais, Marina Sana, Erlyn et al	Questions often asked about problem-based learning The attitudes and values of Filipino medical teachers towards teaching Teaching: Whose valaues, whose domain?	UP Manila Jour UP Manila Jour UP Manila Bagumbayan	3:2 Apr-Jun 3:2 Apr-Jun 10:6 Jul	1997 1997 1995	17-27	x x x
Mencias, Cristina	Development of a faculty evaluation scheme for UP Manila	UP Manila Bagumbayan	8:9 Sep	1993		x
Abdulla H, Mencias CF & Viray ML	Learning styles of first year students at the Univ of the Phil College of Medicine	Acta Medica Phil	29:4	1993		x

Institute of Ophthalmology

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
de Leon AS, Nanagas JR & Ramirez RA	Corneal endothelial changes secondary to intracameral lidocaine	Phil J Ophthal	24:1 Jan-Mar	1999	38-42		
Ramirez, Rossina	Philippine Ophthalmology and the Asia Pacific Academy of Ophthalmology Congress 1999	Phil J Ophthal	24:1	1999	61-62		
dela Paz AQ, Villalon PT, Ronquillo YC & San Juan RT	Vitreous substitute potential of squalene oil	Phil J Ophthal	24:1 Jan-Mar	1999	43-47		
Santiago DD, Marin JF & Te WA	Diabetic retinopathy in non-insulin dependent diabetes mellitus	Phil J Ophthal	23:3 Jul-Sep	1998	116-120		
Evangelista RP, Arroyo MH & Ronquillo YC	Enzyme assisted vitrectomy	Phil J Ophthal	23:3 Jul-Sep	1998	121-124		
Sison, Wilfredo & Inocencio F	Jensen procedure for EOM paralysis	Phil J Ophthal	23:2 Apr-Jun	1998			
Nievera, Lilia Ramirez RA	Sensitivity studies on bacterial isolates among pediatric measles patients	Phil J Ophthal	23:1 Jan-Mar	1998	11-14		
Satoshi T, Norihiko I, Eiichi U, Shigeaki O, Koki A, Fajardo RV, Dy-Liacco U, et al	Surveillance of viral conjunctivitis in Asian countries	Jpn J Clin Ophthal	52:4 Jun	1998	513-516		
Tan, Rosalita	A comparison of cataract cases seen by modified residency training program residents in 5-regional training hospitals	Acta Medica Phil	32:3 Jul-Sep	1996			

Institute of Ophthalmology

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Caina AA & Marin JD	Correlation of visual acuity and vehicular accident among jeepney drivers plying the Monumento to Malinta route	Phil Scientific Jour	29:1 Jan-Jun	1996			
Remulla HD, Valenton MJ & Nievera LF	Efficacy of autoclave, ethylene oxide gas and glutaraldehyde in sterilization of ophthalmic surgical instrument	Phil J Ophthal	21:2 Apr-Jun	1996			
Naval CG, Agulto M & Aquino MV	Gonioscopic changes after cataract surgery w/ and w/o intraocular lens implantation	Phil J Ophthal	21:2 Apr-Jun	1996			
Tan, Rosalita	Indigent cataract patients: A study in retrospect	Phil J Ophthal	21:2 Apr-Jun	1996			
Tan, Rosalita	The eye referral system in Region V: An assessment	Thai J Public Health Ophthal	10:1 Jan-Jun	1996			
Valenton, Mario	Wound infection after cataract surgery	Jpn J Ophthal	40:	1996	447-455		
Tan, Rosalita	Comparative profile of ocular disease in urban and rural setting	UP Manila Jour	1:2 Jun-Dec	1995			
Salceda, Salvador de Guzman C	Health human resource for eye care in the Philippines: A country report		Jul	1995			
Salceda, Salvador, Ramirez RA & Marin JD	Intermediate term preserved corneas in penetrating keratoplasty	UP Manila Jour	1:1 Jun	1995			
Marin, Jesus Salceda, Salvador	Primer on ocular emergencies Prospects for health science collaborative studies in the Philippines: An overview	Phil J Emerg Med UP Manila Bagumbayan	Jul	1995 1995			
Ng JA & Agulto MB	A descriptive study of patients admitted	Transactions of Ophthal Dept	2:1 Dec	1994			
Lopez J, Salceda SR & Ramirez RA	Effect of intracameral administration of KY jelly	Phil J Ophthal	20:76	1994			

Institute of Ophthalmology

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Remulla J, Espiritu R, Abelardo A, Ronquillo YC, Avila JC	Fine needle aspiration biopsy in the diagnosis of retinoblastoma	Transactions of Ophthal Dept	7;1 DEc	1994	53-55		
Santiago, AP Valenton MJ Nievera, Lilia Ramirez RA & Gonzales TK Salceda, Salvador	Herpes zoster ophthalmicus: A 20-year experience In-vitro sensitivity studies of isolates from postmortem eyes Managing the cataract blindness in the Philippines	Transactions of Ophthal Dept Phil J Ophthal	2:1 Dec Oct-Dec	1994 1994			
Cabillan, Leo, Sison W & Valbuena M	Mobius syndrome: A case presentation	UP Manila Bagumbayan Transactions of Ophthal Dept	2:1 Dec	1994			
Fajardo MQ Noche RR Mamaril A & Noche RR Ronquillo, Yasmyne et al	Phototoxicity from operating microscope: Literature review Post-measles blindness among Filipino children Retinoblastoma: A clinico-pathologic review of 93 enucleated eyes	Transactions of Ophthal Dept Phil J Ophthal Acta Medica Phil	2:41 Oct-Dec 30:4 Oct-Dec	1994 1994 1994			
Cabillan, Leo & Agulto MB Ramirez, Rossina Salceda SR, Solon FS	Reversibility of optic disc cupping in adult glaucoma patients Sight restoration in the Philippines through cataract surgery: Technical report	Transactions of Ophthal Dept Inst of Ophthal Publication Phil J Ophthal	2:1 Dec	1994 1994			
Sison, Michael D	Sodium hypochlorite as ocular antiseptic	Phil J Ophthal	20:2 Apr-Jun	1994			
Magat MC, Valenton MJ & Dy-Liacco JU	Tear fluid pH in Moraxella blepharconjunctivitis	Phil J Ophthal	20:2 Apr-Jun	1994			
Nievera, Lilia	The microbiological flora of the normal conjunctiva among Filipinos	Phil J Ophthal	Oct-Dec	1994			

Institute of Ophthalmology

Author/Co-author(s)	Title of Paper/Article	Journal/Proceeding	Vol/No	Issue date	Pages	Loc	For
Abunto, Ma Teresa Fajardo, RV & Noche RR	A comparison of the conjunctival response to topical PPD in experimental tuberculous uveitis and in BCG sensitized rabbits	Transactions of Ophthal Dept	1:1 Dec	1993	13-19		
Tan, Rosalita	Indigent cataract patterns: A study in retrospect	UP Manila Bagumbayan	8:9 Sep	1993			
Tan, Rosalita & Salceda SR	Non-ophthalmic physician and eye care in the Philippines	UP Manila Bagumbayan	8:14 Mar	1993			
Salceda, Salvador	Reexamining the PSO-PAOO functional relationship	PSO-PAOO Newsletter	Jan-Jun	1993			
de Leon, Francis Y Valenton,MJ & Noche RR	The effect of Ofloxacin eye ointment on the staphylococcus epidermidis on the lid margin	Transactions of Ophthal Dept	1:1 Dec	1993	20-23		
Salceda, Salvador	The Institute of Ophthalmology: A Director's perspective	UP Manila Bagumbayan	8:17 Jun	1993			
Nievera, Lilia	Potential source of contamination of soft contact lens: A microbiological laboratory analysis	Phil J Ophthal	3:7 Oct-Dec	1987			
Salceda, Salvador	Planning the scientific program of the XVII Congress of the Asia Pacific Academy of Ophthalmology: A concept paper						
Salceda, Salvador	Towards a framework for health human resource development	UP Manila Publication					

Appendix 4C

Books, monographs, occasional papers

College of Allied Medical Profession

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
MAGALLONA, Ma Lucia M.	1997	Manual for Community based Rehabilitation Workers	Quezon City, Philippines	Sentro ng Wikang Filipino
CABATAN, Ma. Concepcion	1997	Occupational Therapy Reviewer	Manila, Philippines	C&E Publishing Co
HOCSON, Ma. Cecilia P. ISAAC, Cynthia V. and MENDOZA, Teresita				
MAGPILI, Policarpia ISAAC, Cynthia V. VILLEGAS, Susan B.	1995	Module II: The Physically Impaired Passenger Guidebook on Assisting Disabled and Elderly People who Travel	Quezon City, Philippines	National Council for the Welfare of the Disabled Persons
MARZAN, Jocelyn C.B.	1994	Phonological Process Analysis	Manila, Philippines	
ISAAC, Cynthia V. ED: Dr. A. Trinidad	1993	Handbook of Information	Makati City, Philippines	Council of Health Agencies of the Philippines
DAMIAN, Guillermo MAGPILI, Policarpia ISAAC, Cynthia VILLEGAS, Susan CABATAN, Ma. Concepcion	1993	Rehabilitation for Patients with Rheumatism: A Reference Guide for the Filipino Primary Health Care Physician and Other Health Care Workers	Manila, Philippines	CAMP-UP Manila

College of Arts and Sciences

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
ROSARIO, Rubite, et. al.	1997	Agham Pangkalikasan II	Quezon City	Sentro ng Wikang Filipino
MANGUBAT, Benjamin R.	1997	Kasaysayan ng Daigdig	Quezon City	New Horizon Publisher
MANGUBAT, Benjamin R.	1997	Kasaysayan ng Kabihasnang Asyano	Quezon City	New Horizon Publisher
TAYAG, Josefina G.	1997	The Impact of the General Education Program on Health Professionals	Manila	IPPAO-UPM
DE UNGRIA, Ricardo	1996	Cultural-Humanistic Values of Doctors in Three Hospitals in Manila: Towards a Relevant and Humanistic Program in CAS, UP Manila	Manila	IPPAO-UPM
BERINGUELA, Adele				
GAVINO, Pacita				
HALLARE, Arnold	1996	Histolohiya ng Hayop: Manwal Panlaboratoryo	Quezon City	Surian ng Wikang Filipino Press
HERRERA A & AMPARO E				
MANGUBAT, Benjamin R.	1996	Kabishasnang Asyano sa Takbo ng Panahon	Quezon City	New Horizon Publisher
IMPERIAL, Reynaldo H.	1996	Leyte (1898-1902): The Philippine-American War	Quezon City	ORC-UP Diliman
MANGUBAT, Benjamin R.	1996	World History	Quezon City	New Horizon Publisher
ROSARIO, Rubite & YAP, Audwin	1996	Zoology 10 Laboratory Manual	Manila	IPPAO-UPM
REBULLIDA, Ma Lourdes	1995	Conquering Politico-Administrative Frontiers, Essays in Honor of Raul P de Guzman	Quezon City	UP Press
DELOS REYES, Josefina J.	1995	Introductory Biology: Principles and Processes	Manila	IPPAO-UPM
BETAN, Ariel	1995	Manwal sa Pagbubuo at Pagpapatibay ng Koalisyon		Freedom from Debt Co-op
BONCAN, Celestina	1995	Remembering the Cavite Mutiny of 1872	Makati City	GB de los Reyes Jr Found
REBULLIDA, Ma Lourdes	1993	Alternative Financing Scheme for Housing by Community-based Voluntary and NGOs	Quezon City	PIDS
REBULLIDA, Ma Lourdes	1993	The Practice of Research	Quezon City	Instructech
MANGUBAT, Benjamin				
ABADINGO, Lourdes				

College of Dentistry

Author/Editor	Year	Complete Title	Place of publication	Name of publisher
Magtanong, Danilo	1998	Laboratory Manual for Prosthodontics 31B	Manila, Philippines	IPPAO-UPManila
Lago, Leonor D	1998	Morpolohiya at Pisyolohiya ng Ngipin	Quezon City, Philippines	Sentro ng Wikang Filipino
Medina, Vicente III	1997	Laboratory Manual for Operative Dentistry 12B (cavity preparation)	Manila, Philippines	IPPAO-UPManila
Macasaet, Avelino	1997	Manual on the Class 2 Cavity Preparation for Amalgam	Manila, Philippines	IPPAO-UPManila

College of Medicine

Author/Editor	Year	Complete Title	Place of Pub	Name of Publisher
Dr. Arlene A. Samaniego	1995	Textbook in Histology Chapter on Embryology	Manila	De La Salle Press
Dr. Jose N. Esteban	1995	Textbook in Histology	Manila	De La Salle Press
Dr. Harivelle Hernando	1995	Self-Instructional Manual on Mammary Gland/ SIM on Larynx	Manila	Dr. Harivelle Hernando
Dr. Susan N. Castro	1995	Work Intervals in Gross Anatomy (Dissection Guide)	Manila	Department of Anatomy
Dr. Oscar Tangco	1995	Instruction in Histology	Manila	Department of Anatomy
Dr. Nestor S. Bautista	1995	Laboratory Guide in Neuroanatomy	Manila	Department of Anatomy
German Tan-Cardoso, M.D., Augusto Manalo, M.D.	1995	Surgico-Pathologic Staging in Clinical Stage I Endometrial Cancer	Manila	Department of Obstetrics & Gynecology
Prospero Tuano, M.D. Marissa Vaibuenta, M.D.	1995	Transactions of the Department of Ophthalmology Vollume III No.1	Manila	Department of Ophthalmology
Department of Ophthalmology	1995	Towards a Program of Research in Ophthalmology 1995	Manila	Institute of Ophthalmology
Department of Ophthalmology	1995	2 nd National Survey on Blindness, 1995	Manila	Institute of Ophthalmology DOH
Santos, Ocampo, P.D., Reyes, A.L., Treichler, A.M., Madrid, B.J., and Arcadio, R.L.	1995	A Handbook of Well Child Care	Manila	Developmental and Ambulatory Pediatrics
Domingo, C.F., Ramos,-Abad, L.F., Chan-Cua, S., Capistrano-Estrada, S.B.	1995	Useful Tests for Pediatric Endocrine Disorders	Manila	Developmental and Ambulatory Pediatrics
Alfiler, C.A., Bonzon, D. and Elises, J.S.	1995	Pediatric Kidney Digest	Manila	Developmental and Ambulatory Pediatrics
Mabilangan, L.M., Reloza, A.A., Ortiz, E.E., Alboliras, E.T., Ty, E.T.	1995	Handbook of Pediatric Cardiology	Manila	Developmental and Ambulatory Pediatrics

College of Nursing

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
	1994	Instructors Manual on Family Planning	Manila	APSOM
	1994	Reference Manual on Family Planning for Midwifery	Manila	APSOM
CRUZ, Lourdes	1993	Ecological Aspects of Community Health Nursing		
KUAN, Letty	1993	Essence of Caring	Manila	NTTC-HP
BALABAGNO, Araceli	1993	Guide to EKG Measurement for Paramedics	Manila	UPCN
LAURENTE, Cecilia	1993	Guideline to Thesis/Dissertation Writing for UPCN	Manila	UPCN
DANAÑO, Leda	1993	Manual of Operations (ENHR)	Manila	DOH
KUAN, Letty	1996	Ang Pag-aaruga sa mga Taong May-edad Na	Quezon City	UP Diliman
MAGLAYA, Araceli	1997	Nursing Practice in the Community	Marikina City	Argonauta Corp.
TUNGPALAN, Luz	1997	Promises to Keep: Return to Nursing	Quezon City	Soler Press
KUAN, Letty	1993	Understanding the Filipino Elderly	Quezon City	Capitol Publishing Inc.
Distance Education Modules				
KUAN, Letty	1997	N-207 Autonomy	Manila	UPOU
KUAN, Letty	1997	N-207 Beneficence	Manila	UPOU
ANONUEVO, Cora	1997	N-207 Client-Nurse Environment Dynamics	Manila	UPOU
ABAQUIN, Carmencita	1997	N-207 Client-centered Nursing Theories	Manila	UPOU
LAURENTE, Cecilia	1997	N-207 Client-centered Nursing Theories	Manila	UPOU
MEJICO, Merle	1997	N-207 Crisis Intervention Theory	Manila	UPOU
MEJICO, Merle	1997	N-207 Developmental Theories	Manila	UPOU
KUAN, Letty	1997	N-207 Foundation and Principles of Bioethics in Nursing	Manila	UPOU
ANONUEVO, Cora	1997	N-207 Gender Concepts and Issues in Health	Manila	UPOU
KUAN, Letty	1997	N-207 Justice	Manila	UPOU
TUAZON, Josefina	1997	N-207 Learning Theories and Related Theories	Manila	UPOU
BALABAGNO, Araceli	1997	N-207 Nurse-Client Dynamics	Manila	UPOU
CORCEGA, Thelma	1997	N-207 Nursing Theories: Conceptual Framework	Manila	UPOU
KUAN, Letty	1997	N-207 Professional-Patient Relationship	Manila	UPOU
KUAN, Letty	1997	N-207 The Beginning of Life	Manila	UPOU
DONES, Luz Bar	1997	N-207 The General Systems Theory	Manila	UPOU
TUAZON, Josefina	1997	N-207 Theories of Change	Manila	UPOU
VELAZCO, Gundelina	1997	N-207 Theories/Models of Communication	Manila	UPOU
BARCELO, Teresita	1997	N-231 Nursing Care of Clients with Postpartum Complication	Manila	UPOU
LAO-NARIO, Ma. Brigitte	1997	N-231 Nursing Care of Clients with Disorders in Labor	Manila	UPOU
BARCELO, Teresita	1997	N-231 Nursing Care of Pregnant Clients with Infection	Manila	UPOU
HERNANDEZ, Ma. Teresita	1997	N-231 Nursing Assessment of Newborn and the Family	Manila	UPOU
LAO-NARIO, Ma. Brigitte	1997	N-231 Nursing Care of Clients with Substance Abuse	Manila	UPOU
LAO-NARIO, Ma. Ma. Brigitte	1997	N-231 Nursing Care of Clients with Affective Disorder	Manila	UPOU
BARCELO, Teresita	1997	N-231 Nursing Care of Clients with High Risk	Manila	UPOU

Author/Editor	Year	Complete Title	Place of Pub	Name of Publisher
Guerrero, M.P., Fernandez, A.F., Isleta, P.F. D., Gatmaitan, A., Genuino, A.S.	1995	Manual of Newborn Baby Care	Manila	Developmental and Ambulatory Pediatrics
Antonio A. Limson, M.D., Jose Luis J. Danguilan, M.D., Armando C. Crisostomo, M.D.	1996	Ang Maninistis (Coffee table book)	Manila	Department of Surgery
Dr. Kenneth Y. Hartigan-Go	1996	Poisons Information monographs for the WHO: Diarrheic shellfish poisoning, Ascorbic Acid, Treatment guideline for opioid withdrawal	Manila	Dept. of Pharmacology
Dr. Kenneth Y. Hartigan-Go	1996	Drug interaction chart	Manila	DOH-NDP
Dr. Cleotilde H. How	1996	Pediatric Drug Handbook	Manila	Dept. of Pharmacology
Dr. Irma I. Makalinao	1996	PPS Drug handbook	Manila	Philippine Pediatric Society
Palo Garcia, Fe et al	1996	- Textbook of Obstetrics: Physiologic Obstetrics - Textbook of Obstetrics: Pathologic Obstetrics	Manila	APMC
Sotto, L., Manalo, A., Limson, G	1996	Gynecologic Oncology for the Clinician, 2 nd Edition	Manila	SGOP
Limson, G. & Llave, C.	1996	Colposcopy for Beginners, 2 nd Edition	Manila	Celaxo
Dr. Zorayda E. Leopando	1998	PSTFM Teacher Training Workshops from 1993- 1996: It's Relevance, Impact and Aplicability	Manila	Filipino Family Physicians
Dr. Florante P. Gonzaga Dr. Rosalinda B. Arceo	1998	Textbook of Reproductive Endocrinology and Fertility	Manila	Wyeth
Dr. Cecilia L. Llave, editor	1998	Manual for Colposcopist	Manila	SERAGEN

LAO-NARIO, Ma. Brigitte	1997	N-231 Nutrition-Metabolic Problems in Pregnancy	Manila	UPOU
LAO-NARIO, Ma. Brigitte	1997	N-231 Oxygenation Problems in Pregnancy	Manila	UPOU
DANAQ, Leda	1997	N-231 Research: Nursing Care of Newborn	Manila	UPOU
DANAQ, Leda	1997	N-231 Research: Nursing Care of FMU	Manila	UPOU
LAO-NARIO, Ma. Brigitte	1997	N-231 Teaching Clinical Decision-making	Manila	UPOU
LAO-NARIO, Ma. Brigitte	1997	N-231 Teaching in Nursing	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Adolescent Pregnancy	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Alteration in Fluid and Electrolytes	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Alteration in Nutrition and Metabolism	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Alteration in Perception and Coordination	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Alteration in Protective Mechanism	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Child Abuse	Manila	UPOU
HERNANDEZ, Ma. Teresita	1997	N-232 Child Health Screening and Assessment	Manila	UPOU
VIDAL, Victoria	1997	N-232 Child Labor	Manila	UPOU
VIDAL, Victoria	1997	N-232 Children in Situation of Armed Conflict	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Common Health Problems in Children	Manila	UPOU
VIDAL, Victoria	1997	N-232 Growth and Development	Manila	UPOU
GAVINO, Ma. Irma	1997	N-232 Interventions for Health Promotion	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Psychosocial Impact of Illness	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Psychosocial Interventions	Manila	UPOU
VIDAL, Victoria	1997	N-232 Researches in the Care of Children	Manila	UPOU
BALLESTERO, Amor	1997	N-232 Streetchildren	Manila	UPOU
VIDAL, Victoria	1997	N-232 The Child as Member of the Family	Manila	UPOU
BARCELO, Teresita	1997	N-299 Choosing the Research Design	Manila	UPOU
BARCELO, Teresita	1997	N-299 Communicating and Utilizing Nursing Research	Manila	UPOU
BARCELO, Teresita	1997	N-299 Critiquing a Study	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Data Analysis and Interpretation	Manila	UPOU
BARCELO, Teresita	1997	N-299 Designing and Implementing a Data Collection	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Formulation the Research Problem	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Identifying Frame of Reference	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Instrument Construction	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Looking the Literature	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Nature and Characteristics of Qualitative	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Nursing Research and the Scientific Approach	Manila	UPOU
BARCELO, Teresita	1997	N-299 Overview of Data Collection	Manila	UPOU
BARCELO, Teresita	1997	N-299 Qualitative Research Designs	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Quantitative Research Designs: Experimental	Manila	UPOU
BARCELO, Teresita	1997	N-299 Quantitative Research Designs: Nonexperimental	Manila	UPOU
BARCELO, Teresita	1997	N-299 Role of Management	Manila	UPOU
VELAZCO, Gundelina	1997	N-299 Writing the Research	Manila	UPOU
BARCELO, Teresita	1997			

College of Pharmacy

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
DE CASTRO, Natividad GUTIERREZ, Leticia Barbara	1996	Lagundi - Technology Transfer Document	Taguig, Metro Manila	PCHRD
DE CASTRO, Natividad GUTIERREZ, Leticia Barbara	1996	Sambong - Technology Transfer Document	Taguig, Metro Manila	PCHRD
DE CASTRO, Natividad GUTIERREZ, Leticia Barbara	1996	Akapuldo- Technology Transfer Document	Taguig, Metro Manila	PCHRD
GUTIERREZ, Leticia Barbara	1996	Philippine National Drug Formulary, 4th Ed, Vol 1	Manila, Philippines	

College of Public Health

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
DELAS LLAGAS, Lilian	1999	State of the Art: Malaria Vector Control (Chapter)	Manila	PCHRD
TIGLAO, Teodora	1998	A Century of Public Health in the Philippines	Manila	
VITASA, Benjamin	1998	Ethical Guidelines for Biomedical Research	Manila	IPPAO-UPManila
TEMPONGKO, Ma Sandra	1998	Innovative Health Care Project: Extended Case Studies on Good Health Care Management	Manila	WHO Publication DOH-HAMIS
TEMPONGKO, Ma Sandra	1998	Manual on the Prevention and Control of Common Cancer (Contributor)	Manila	WHO Publication
BELIZARIO, Vicente Jr (Ed)	1998	Philippine Textbook of Parasitology	Manila	IPPAO-UPManila
SOLOON, Juan Antonio (Co-ED)	1998	Philippine Textbook of Parasitology	Manila	IPPAO-UPManila
LEONARDO, Lydia	1998	Philippine Textbook of Parasitology (Chapter)	Manila	IPPAO-UPManila
TEMPONGKO, Ma Sandra	1998	STD in Asia and the Pacific (Chapter)	Manila	WHO Publication
PESIGAN, Arturo	1997	Capacities and Vulnerabilities: Disaster Health Management in the Philippines	Manila	PCHRD UP Press
DELAS LLAGAS, Lilian	1997	Entomolohiya Medikal	Manila	UP Press
DELAS LLAGAS, Lilian	1997	Insekto ng Pilipinas	Manila	
TEMPONGKO, Ma Sandra (Editor)	1997	Manual for STD Program Managers	Manila	CPH-UPM
BELIZARIO, Vicente Jr	1997	Study Guide on Medical Parasitology (Chapter)	Manila	CPH-UPM
LEONARDO, Lydia	1997	Study Guide on Medical Parasitology (Chapter)	Manila	CPH-UPM
RIVERA, Pilarita	1997	Study Guide on Medical Parasitology (Chapter)	Manila	CPH-UPM
SOLOON, Juan Antonio	1997	Study Guide on Medical Parasitology (Chapter)	Manila	CPH-UPM
TIU, Wilfred	1997	Study Guide on Medical Parasitology (Chapter)	Manila	
TEMPONGKO, Ma Sandra	1996	Cue Cards for TB Chemotherapy, Communication Materials for Health Workers		Greenwood Press Greenwood Press
BALTAZAR, Jane	1996	International Handbook of Public Health: (Chap) Public Health - Theory, Training and Research	Westport, Connecticut, London	Univ of Wisconsin WHO Publication
TIGLAO, Teodora	1996	International Handbook of Public Health: (Chap) Public Health in the Philippines	Westport, Connecticut, London	WHO Publication
PESIGAN, Arturo	1996	Temporary Human Settlements	Wisconsin	V Sage Publications Sage Publication
TIGLAO, Teodora	1995	WHO Sexual Behavior in the Developing World (Contributor)	Manila	
TEMPONGKO, Ma Sandra	1994	Manual for Health Education and Social Mobilization	New Delhi, London	WHO Bulletin
BALTAZAR, Jane	1994	Measurement of Hygiene Behaviour in Metro Manila: Studying Behavior, Methods, Issues and Experiences (Chapter)	London	
TEMPONGKO, Ma Sandra	1994	Studying Hygiene Behavior: Methods, Issues and Experiences (Contributor)	Manila	
TEMPONGKO, Ma Sandra	1994	Your Health Guide: The Family Health Guide (Contributor)	Manila	
TIGLAO, Teodora	1993	Hygiene Behaviour and Hospitalized Severe Childhood Diarrhea: A Case Control Study		

ANCHETA, Caridad A.	1996	Bio 201 - Fundamentals of Biostatistics: Data Collection (Module 2)	Philippines	Distance Educ. Office, CPH
ANCHETA, Caridad A.	1996	Bio 201 - Fundamentals of Biostatistics: Vital Statistical Rates and Ratios (Module 8)	Philippines	Distance Educ. Office, CPH
ANCHETA, Caridad A.	1997	Bio 206 Research Methods: Review of Literature	Philippines	Distance Educ. Office, CPH
ANCHETA, Caridad A.	1997	Epi 201 - Principles of Epidemiology	Philippines	Distance Educ. Office, CPH
ANCHETA, Caridad A.	1997	Epi 203 - Communicable Disease Control	Philippines	Distance Educ. Office, CPH
ANCHETA, Caridad A.	1997	Bio 206 - Research Methods: Research Designs (Module 3)	Philippines	Distance Educ. Office, CPH
BORJA, Maridel P.	1996	Bio 201 Fundamentals of Biostatistics: Measures of Central Tendency (Module 11)	Philippines	Distance Educ. Office, CPH
BORJA, Maridel P.	1996	Bio 201 Fundamentals of Biostatistics: Measures of Dispersion and Location (Module 12)	Philippines	Distance Educ. Office, CPH
BORJA, Maridel P.	1996	Bio 201 Fundamentals of Biostatistics: Fundamentals of Statistical Inference (Module 14)	Philippines	Distance Educ. Office, CPH
BORJA, Maridel P.	1996	Bio 201 Fundamentals of Biostatistics: Analyzing Qualitative Data (Module 15)	Philippines	Distance Educ. Office, CPH
CRISOSTOMO, Marilyn E.	1997	Bio 206 Research Methods: Sample Size Determination (Module 11)	Philippines	Distance Educ. Office, CPH
CRISOSTOMO, Marilyn E.	1997	Bio 206 Research Methods: Research Management (Module 12)	Philippines	Distance Educ. Office, CPH
CRISOSTOMO, Marilyn E.	1997	PH 203 Community Disaster Management: Rapid Assessment and Surveillance	Philippines	Distance Educ. Office, CPH
MARAMBA, Inocencio C.	1997	Bio 206 Research Methods: The Use of Computers in Health Research (Module 15)	Philippines	Distance Educ. Office, CPH
MARAMBA, Inocencio C.	1997	Epi 201 - Principles of Epidemiology	Philippines	Distance Educ. Office, CPH
MARAMBA, Inocencio C.	1998	PH 280 Field Practice - Module I: Course Requirements and Performance Evaluation Tools (Module 1, lesson 2)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1996	Bio 201 Fundamentals of Biostatistics: Steps in Planning and Conducting a Research (Module 3)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1996	Bio 201 Fundamentals of Biostatistics: Sampling Human Population (Module 4)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1996	Bio 201 Fundamentals of Biostatistics: Analyzing Quantitative Data (Module 16)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1996	Bio 201 Fundamentals of Biostatistics: Investigating Relationships Between Variables (Module 17)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1997	Bio 206 Research Methods: Steps in Planning and Conducting a Research (Module 1)	Philippines	Distance Educ. Office, CPH
MENDOZA, Ophelia M.	1997	Bio 206 Research Methods Sampling Human Population (Module 4)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1996	Bio 206 Research Methods: Data Processing (Module 8)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1996	Bio 201 Fundamentals of Biostatistics: Data Processing (Module 5)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1996	Bio 201 Fundamentals of Biostatistics: Demography Describing the Population (module 6)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1996	Bio 201 Fundamentals of Biostatistics: Demography Population Estimation (Module 7)	Philippines	Distance Educ. Office, CPH

REYES, Lilia M.	1996	Bio 201 Fundamentals of Biostatistics Tabular Presentation (Module 9)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M. Course Coordinator)	1997	Epi 201 - Principles of Epidemiology	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1997	Bio 206 Research Methods: Data Collection and Questionnaire Design (Module 6)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1997	EPI 203 – Communicable Disease Control	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1997	PH 203 Community Disaster Management : Community and Hospital Disaster Preparedness (Module 6)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1997	PH 203 Community Disaster Management: Psychosocial Aspects (Module 12)	Philippines	Distance Educ. Office, CPH
REYES, Lilia M.	1997	PH 203 Community Disaster Management: Rapid Assessment and Surveillance (Module 9)	Philippines	Distance Educ. Office, CPH
SANIEL, Ofelia P.	1997	Epi 201 - Principles of Epidemiology	Philippines	Distance Educ. Office, CPH
SANIEL, Ofelia P.	1998	PH 280 Field Practice Modle I: Course Requirements and Performance Evaluation Tools (Module 1, Lesson 2)	Philippines	Distance Educ. Office, CPH
SANIEL, Ofelia P.	1998	Epi 203 – Communicable Disease Control	Philippines	Distance Educ. Office, CPH
SANIEL, Ofelia P.	1997	Bio 206 Research Methods: Ethics in Research (Module 13)	Philippines	Distance Educ. Office, CPH
SANIEL, Ofelia P.	1997	Bio 206 Research Methods: Writing the Research Proposal and the Research Report (Module 14)	Philippines	Distance Educ. Office, CPH
SAROL, Jesus Jr. N.	1996	Bio 201 Fundamentals of Biostatistics: A Basic Tool: A Normal Distribution (Module 13)	Philippines	Distance Educ. Office, CPH
SAROL, Jesus Jr. N.	1997	Epi 201 - Principles of Epidemiology	Philippines	Distance Educ. Office, CPH
SAROL, Jesus Jr. N.	1997	Bio 206 Research Methods: Validity of Measurements (Module 7)	Philippines	Distance Educ. Office, CPH
SAROL, Jesus Jr. N.	1996	Bio 201 Fundamentals of Biostatistics: Graphical Presentation (Module 10)	Philippines	Distance Educ. Office, CPH
ALDAY, Adalberto	1995	PH 201/202 - Module III Microbiology Viral Respiratory Infections	Philippines	Distance Educ. Office, CPH
	1995	PH 201/202 - Module III Microbiology: Viral Gastrointestinal Infections (Lesson 10)	Philippines	Distance Educ. Office, CPH
BARZAGA, Nina G.	1995	PH 201/202 Module III Microbiology: Viral Sexually Transmitted Diseases (Lesson 11)	Philippines	Distance Educ. Office, CPH
BARZAGA, Nina G.	1995	PH 201/202 Module III Microbiology: Vaccination and Hazards of Vaccination (Lesson 4)	Philippines	Distance Educ. Office, CPH
CHAN, Veronica F.	1995	PH 201/202 Module III Microbiology: Viral Infections of the Central Nervous System (Lesson 9); Mosquito-Borne Encephalitides, Dengue Hemorrhagic Fever, Rabies; Poliomyelitis (w/ V.E. Gabriel)	Philippines	Distance Educ. Office, CPH
CHAN, Veronica F.	1995	PH 201/202 Module III Microbiology: Mycotic Infections (Lesson 12)	Philippines	Distance Educ. Office, CPH
		PH 201/202 Module III Microbiology: Mycotic Infection (Lesson 12)	Philippines	Distance Educ. Office, CPH
DANCEL, Louella A.	1995	PH 201/202 Module III Microbiology: Mycotic Infection (Lesson 12)	Philippines	Distance Educ. Office, CPH
DANCEL, Louella A.	1998	PH 280 Field Practice: Social Organization/Social Mobilization (Module 1, Lesson 5, Topic 2)	Philippines	Distance Educ. Office, CPH

DUQUE, Elnora E.	1996	PHA 201.1 Implementation: Organizing (Module 11, Lesson 2)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	Primer on Hospital Administration: An Overview of Quality Assurance in Hospitals (Chapter 6)	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1995	PHA 201 Principles of Health Administration Health and Development (Module 1, Lesson 1)	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1995	PHA 201 Module 1 Principles of Health Administration Primary Health Care (Module 1, Lesson 1.2)	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1996	PHA 201.1 Controlling and Evaluation: Information Management in Health System (Module 1, Lesson 6)	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1997	Primer on Hospital Administration; Developing Strategies for Improvement of Hospital Effectiveness	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1996	PHA 201.1 Controlling and Evaluation: Health Program Evaluation Part 1 (Module 1, Lesson 4)	Philippines	Distance Educ. Office, CPH
LAWAS, Noel D.	1996	PHA 201.1 Controlling and Evaluation: Health Program Evaluation Part 2 (Module 1, Lesson 5)	Philippines	Distance Educ. Office, CPH
LORENZO, Fely Marilyn E.	1997	PHA 216 Human Resource Management: Health Human Resource Policies (Module 2)	Philippines	Distance Educ. Office, CPH
LORENZO, Fely Marilyn E.	1997	PHA 216 Human Resource Management: Health Human Resource Development and Career Progression (Module 6)	Philippines	Distance Educ. Office, CPH
LORENZO, Fely Marilyn E.	1997	PHA 216 Human Resource Management: Management and Employee Relations and Discipline Complaints and Grievances (Module 14)	Philippines	Distance Educ. Office, CPH
LORENZO, Fely Marilyn E.	1997	PHA 216 Human Resource Management: Assessing and Evaluating the HRM System: Achieving Productivity Through People (Module 16)	Philippines	Distance Educ. Office, CPH
MABUNGA, Ma. Susan Y.	1996	PHA 201.1 Implementation: Organizing (Module 11, Lesson 2)	Philippines	Distance Educ. Office, CPH
MELLA, Minda P.	1995	PHA 201 Principles of Health Administration Economic Characteristics/Dimensions of the Health System (Module 1, Lesson 2.2)	Philippines	Distance Educ. Office, CPH
MELLA, Minda P.	1995	PHA 201 Principles of Health Administration: Development of Management Thought (Module 1, Lesson 3.1)	Philippines	Distance Educ. Office, CPH
MELLA, Minda P.	1997	Primer on Hospital Administration : Financing of Hospital Services (Chapter 8)	Philippines	Distance Educ. Office, CPH
MELLA, Minda P.	1996	PHA 201.1: Controlling and Evaluation: Overview on Controlling (Module 1, Lesson 1)	Philippines	Distance Educ. Office, CPH
MARAMBA, Tomas Jr., P.	1997	HA 205 Hospital Information System: Quality Assurance Program in Hospitals (Module 4.2)	Philippines	Distance Educ. Office, CPH
MARAMBA, Tomas Jr., P.	1997	HA 205 Hospital Information System: Quality Assurance Program (Module 4.1)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1995	PHA 201 Principles of Health Administration: Fundamentals of the Managerial Process (Module 1, Lesson 3.2)	Philippines	Distance Educ. Office, CPH

JACALNE, Antonio V.	1995	PH 201/202 Module III Microbiology: Microbial Ecology (Lesson 1)	Philippines	Distance Educ. Office, CPH
LARIOS, Theresita R.	1995	PH 201/202 Module III Microbiology: Microbial Control (Lesson 2)	Philippines	Distance Educ. Office, CPH
MADRASO, Eloisa D.	1995	PH 201/202 Module III Microbiology: Immunology of Microbial Infections (Lesson 3)	Philippines	Distance Educ. Office, CPH
MANUSON, Nidia M.	1995	PH201/202 Module III Microbiology: Bacterial Diarrheal Infection and Intoxication (Lesson 6)	Philippines	Distance Educ. Office, CPH
ORTEGA, Adelwisa R.	1995	PH 201/202 Module III Microbiology: Bacterial Sexually Transmitted Diseases (Lesson 7)	Philippines	Distance Educ. Office, CPH
ORTEGA, Adelwisa R.	1995	PH 201/202 Module III Microbiology: Bacterial Respiratory Infections (Lesson 5)	Philippines	Distance Educ. Office, CPH
ORTEGA, Adelwisa R.	1997	PH 203 Community Disaster Management: Emergency Settlement (Module 7)	Philippines	Distance Educ. Office, CPH
ORTEGA, Adelwisa R.	1997	PH 203 Community Disaster Management: Psychosocial Aspects (Module 12)	Philippines	Distance Educ. Office, CPH
ORTEGA, Adelwisa R.	1997	PH 203 Community Disaster Management: Environmental Health (Module 13)	Philippines	Distance Educ. Office, CPH
BELIZARIO, Vicente, Jr. Y.	1995	PH 201/202 Man, Health and Environment: Mosquito Transmitted Parasites - Wuchereria Bancrofti and Brugia Malayi (Module 2, Lesson 5.2)	Philippines	Distance Educ. Office, CPH
BELIZARIO, Vicente, Jr. Y.	1995	PH 201/202 Man, Health and Environment: Contact Transmitted Parasites (Module 2, Lesson 3)	Philippines	Distance Educ. Office, CPH
BELIZARIO, Vicente, Jr. Y.	1998	PH 280 Field Practice: Situational Analysis Municipal Level (Module 1, Lesson 3)	Philippines	Distance Educ. Office, CPH
BELIZARIO, Vicente, Jr. Y.	1997	PH 203 - Community Disaster Management: Diseases in Emergency Situations (Module 10)	Philippines	Distance Educ. Office, CPH
CRUZ, Amante C.	1995	PH 201/202 Man, Health and Environment: Food/Water Transmitted Parasites-Taenia (Module 2, Lesson 4, Topic 4.2)	Philippines	Distance Educ. Office, CPH
CRUZ, Amante C.	1995	PH 201/202 Man, Health and Environment: Soil Transmitted Parasites (Module 2, Lesson 2)	Philippines	Distance Educ. Office, CPH
DE LAS LLAGAS, Lilian A.	1995	PH 201/202 Man, Health and Environment: Arthropods of Medical and Public Health Importance	Philippines	Distance Educ. Office, CPH
DE LAS LLAGAS, Lilian A.	1997	Epi 203 - Communicable Disease*	Philippines	Distance Educ. Office, CPH
DE LEON, Winifreda U.	1995	PH 201/202 Man, Health and Environment: Food/Water Transmitted Parasites - Entamoeba, Capillaria & Giardia (Module 2, Lesson 4, Topic 4.1)	Philippines	Distance Educ. Office, CPH
DE LEON, Winifreda U.	1998	PH280 Field Practice: Social Organization/Social Mobilization (Module 1, Lesson 5, Topic 2)	Philippines	Distance Educ. Office, CPH
MONZON, Roberto B.	1995	PH 201/202 Man, Health and Environment: Food/Water Transmitted Parasites - Trematodes (Module 2, Lesson 4, Topic 4.3)	Philippines	Distance Educ. Office, CPH
MONZON, Roberto B.	1995	PH 201/202 Man, Health and Environment: Introduction to Medical Parasitology (Module 2, Lesson 1)	Philippines	Distance Educ. Office, CPH

RIVERA, Pilarita T.	1995	PH 201/202 Man, Health and Environment: Mosquito Transmitted Parasites - Malaria (Module 2, Lesson 5.1)	Philippines	Distance Educ. Office, CPH
SOLON, Juan Antonio A.	1998	PH 280 Field Practice : Implementation of Planned Activities (Module 2, Lesson 1)	Philippines	Distance Educ. Office, CPH
TIU, Wilfred U.	1995	PH 201/202 Man, Health and Environment: Food/Water Transmitted Parasites - Schistosoma (Module 2, Lesson 4, Topic 4.4)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1995	PHA 201 Principles of Health Administration: The Health System (Module 1, Lesson 2.1)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1996	PHA 201 Planning: Concepts and Principles (Module 2, Lesson 1)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1996	PHA 201 Planning: Program Planning (Module 2, Lesson 4.1)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1998	HA 202 Organization and Management of the Different Departments and Services of the Hospital	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1997	PHA 216 Human Resource Management: Indicators of Staffing Needs Method (Module 4.2)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1997	PHA 216 Human Resource Management: Employee Intake (Module 5)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1997	HA 205 Hospital Information System: Medical Records and their Management (Module 1)	Philippines	Distance Educ. Office, CPH
CARAGAY, Ruben N.	1997	Primer on Hospital Administration: Hospital System (Chapter 1)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Nature of Human Resource Management: Frame work for the Course (Module I)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Job Design (Module 3.1)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Improving Employee Motivation (Module 8)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Creating Productive Work Teams (Module 9)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Supervision of Health Personnel (Module 10)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Job Evaluation (Module 11)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: Employee Health and Safety (Module 13)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1997	PHA 216 Human Resource Management: HR Information, Recording, Accounting and Measurement (Module 15)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1996	PHA 201.1 Implementation: Introduction to Implementation (Module 11, Lesson 1)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1996	PHA 201.1 Implementation: Leading (Module 11, Lesson 4)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1996	PHA 201.1 Implementation. Staff Motivation (Module 11, Lesson 5)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1996	PHA 201.1 Implementation: Managerial Leadership (Module 11, Lesson 6)	Philippines	Distance Educ. Office, CPH
DUQUE, Elnora E.	1996	PHA 201.1 Implementation: Staffing (Module 11, Lesson 3)	Philippines	Distance Educ. Office, CPH

MERCADO, Remigio D.	1998	HA 201 Principles of Hospital Organization and Management: Course and Study Guide	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1998	PH 280 Field Practice Evaluation (Module 11 lesson 2)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	Primer on Hospital Administration: Selected Issues (Chapter 9)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	HA 205 Hospital Information System: Hospital Statistics: Computation and Interpretation (Module 2)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	Primer on Hospital Administration: Financing of Hospital Services (Chapter 8)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	Primer on Hospital Administration: The Hospital System (Chapter 1)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	Primer on Hospital Administration: Uniform Hospital Definitions (Chapter 2)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1997	Primer on Hospital Administration: Planning the Establishment and Managing the Direction of a Hospital (Chapter 3)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1996	PHA 201 Planning: Problem Identification and Explanation (Module 2, Lesson 2.2)	Philippines	Distance Educ. Office, CPH
MERCADO, Remigio D.	1996	PHA 201 Planning: Health Policy and Planning (Module 2, Lesson 3)	Philippines	Distance Educ. Office, CPH
PARAJAS, Irma L.	1996	PHA 201.1 Implementation: Staffing (Module 11, Lesson 3)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1997	HA 205 Hospital Information System: Legal Aspects of Medical Records (Module 5)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1997	Primer on Hospital Administration: Legal Aspects of Hospital Administration (Chapter 7)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1998	HA 207 (206) Hospital Accounting	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1997	HA 205 Hospital Information System: Quality Assurance Program (Module 4.1)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1996	PHA 209 Planning: Lesson in Budgeting in Relation to Program Planning (Module 2, Lesson 4.2)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1996	PHA 201.1 Controlling & Evaluation: Other Monitoring/Control Devices (Module 1, Lesson 3)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1996	PHA 209 Planning : Lesson in Project Planning (Module 2, Lesson 5)	Philippines	Distance Educ. Office, CPH
RECON, Edgardo P.	1996	PHA 201.1 Controlling and Evaluation: Budgeting and Auditing (Module 1, Lesson 2)	Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1998	HA 202 Organization and Management of the Different Department and Services of the Hospital	Philippines Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1997	PHA 216 Human Resource Management: Job Analysis (Module 3.2)	Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1997	PHA 216 Human Resource Management: Performance Appraisal (Module 7)	Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1998	HA 202 Organization and Management of the Different Departments and Services of the Hospital: Laboratory Department (Chapter 8)	Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1997	Primer on Hospital Administration (Chapter 4)	Philippines	Distance Educ. Office, CPH
RILLON, Edmunda B.	1998	PH 280 Field Practice: The Challenge of Barangay Feliz (Module 1, Lesson 5, Topic 4)	Philippines	Distance Educ. Office, CPH

RILLON, Edmunda B.	1997	HA 205 Hospital Information System: Quality Assurance Program in Nursing (Module 3)	Philippines	Distance Educ. Office, CPH
SISON, Fernando		Compilation of Readings in Hospital Accounting	Philippines	Distance Educ. Office, CPH
TADIAR, Florence M.	1995	PHA 201 Principles of Health Administration: Problem Solving and Decision Making (Module 1, Lesson 4)	Philippines	Distance Educ. Office, CPH
TOBIAS, Eufemia M.	1998	PH 280 Field Practice Orientation to the PH280 Course (Module 1, Lesson 1)	Philippines	Distance Educ. Office, CPH
TOBIAS, Eufemia M.	1997	PH 203 Community Disaster Management: Health Services Organization (Module 5)	Philippines	Distance Educ. Office, CPH
TOBIAS, Eufemia M.	1996	PHA 201 Planning: Situational Analysis (Module 2, Lesson 2.1)	Philippines	Distance Educ. Office, CPH
YABES, Julita I.	1997	PHA 216 Human Resource Management: Human Resource Planning (Module 4.1)	Philippines	Distance Educ. Office, CPH
YABES, Julita I.	1997	PHA 216 Human Resource Management: Management of Rewards (Module 12)	Philippines	Distance Educ. Office, CPH
FIRMO, Lucifino V.	1998	PH 280 Field Practice- Module Disengagement/ Integration (Lesson 3)	Philippines	Distance Educ. Office, CPH
FLORES, Emilie G.	1995	PH 201/202 Module III Nutrition: Protein Energy Malnutrition (Module 5)	Philippines	Distance Educ. Office, CPH
FLORES, Emilie G.	1995	PH 201/202 Module III Nutrition: Iodine Deficiency Disorder (Module 8)	Philippines	Distance Educ. Office, CPH
FLORES, Emilie G.	1995	PH 201/202 Module III Nutrition: Nutritional Disorder and other Nutritional Deficiencies (Module 9)	Philippines	Distance Educ. Office, CPH
FLORES, Emilie G.	1995	PH 201/202 Module III Nutrition: Special Nutrition Related Topics	Philippines	Distance Educ. Office, CPH
FLORES, Emilie G.	1995	PH2 01/202 Module III Nutrition: National Nutrition Policy and Programs (Module 11)	Philippines	Distance Educ. Office, CPH
LOYOLA, Carmencita S.	1995	PH 201/202 Module III Nutrition: Nutritional Status Assesment (Module 2)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1997	PH 203 Community Disaster Management: Nutrition in Emergency Situation (Module 11)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1995	PH 201/202 Module III Nutrition Review of Basic Principles and Concepts (Module 1)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1995	PH 201/202 Module III Nutrition: Food Consumption Survey (Module 3)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1995	PH 201/202 Module III Nutrition: Nutritional Antropometry (Module 4)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1995	PH 201/202 Module III Nutrition: Nutritional Anemias (Module 6)	Philippines	Distance Educ. Office, CPH
RABUCO, Lucila B.	1995	PH 201/202 Module III Nutrition: Vitamin A Deficiency Disorders	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1996	HPE 212 Socio-Cultural Determinants of Health; The Dynamics of Sociocultural Change (Module 8)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	HPE 215 Human Behavior in Health Care Organizations:	Philippines	Distance Educ. Office, CPH

ONG, Rafaelita A.	1998	Organizational Development PH 280 Field Practice: Meeting with Intersectoral Groups (Module I, Lesson 4)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1998	PH 280 Field Practice: Organizing/Mobilizing the Community for Planning, Implementation, Monitoring and Control (Module I, Lesson 5, Topic 3)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	PH 203 - Community Disaster Management: Health Promotion and Education (Module 14)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	HPE 210 Public Health Education: Change Process (Module 7)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	HPE 210 Public Health Education : Counseling (Module 9)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	HPE 210 Public Health Education: Group Discussion (Module 10)	Philippines	Distance Educ. Office, CPH
ONG, Rafaelita A.	1997	HPE 210 Public Health Education: Community, Organization/Social Mobilization (Module 16)	Philippines	Distance Educ. Office, CPH
QUESADA, Minda Luz M.	1996	HPE 212 Socio-Cultural Determinants of Health: Political Determinants of Health (Module 6)	Philippines	Distance Educ. Office, CPH
QUESADA, Minda Luz M.	1996	HPE 212 Socio-Cultural Determinants of Health: Economic Determinants of Health (Module 5)	Philippines	Distance Educ. Office, CPH
RAMOS, Buenalyn Teresita M.	1996	HPE 212 Socio-Cultural Determinants of Health: Multi-Causation of Illness (Module 1)	Philippines	Distance Educ. Office, CPH
RAMOS, Buenalyn Teresita M.	1997	HPE 210 Public Health Education: Learning Process (Module 5)	Philippines	Distance Educ. Office, CPH
RAMOS, Buenalyn Teresita M.	1997	HPE 201 Public Health Education: Social Marketing (Module 12)	Philippines	Distance Educ. Office, CPH
RAMOS, Buenalyn Teresita M.	1997	HPE 201 Public Health Education: Folk Media (Module 13)	Philippines	Distance Educ. Office, CPH
RAMOS, Buenalyn Teresita M.	1997	HPE 201 Public Health Education: Enter Educate (Module 14)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	Bio 206 Research Methods: Qualitative Research (Module 5)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	Bio 206 Research Methods: Qualitative Research (Module 5)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	HPE 212 Socio - Cultural Determinants of Health: Political Determinants of Health (Module 6)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	HPE 212 Socio-Cultural Determinants of Health: Cultural Determinants of Health (Module 7)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1997	HPE 215 Human Behavior in Health Care Organization: Organizational Behavior	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	PHA 201.1 Implementation: Organizational Communication (Module 11, Lesson 7)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1996	HPE 212 Socio-Cultural Determinants of Health: Economic Determinants of Health (Module 5)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1997	HPE 210 Public Health Education: Communication Process (Module 6)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1997	HPE 210 Public Health Education: Strategies/Methods in Health Education/Promotion (Module 8)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1997	HPE 210 Public Health Education: Mass Media (Module 11)	Philippines	Distance Educ. Office, CPH
TEMPONGKO, Ma. Sandra B.	1997	HPE 210 Public Health Education: Planning the Health	Philippines	Distance Educ. Office, CPH

		Promotion/Education Component (Module 17)		
TIGLAO, Teodora V.	1997	HPE 215: Reading Notes, Human Behavior in Organization	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1997	HPE 210 Public Health Education: Definitions Scope, and Foundations of Health Education/Health Promotion (Module 1)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1996	HPE 212 Socio-Cultural Determinants of Health: Society and Culture (Module 2)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1996	HPE 212 Socio-Cultural Determinants of Health: Cultural Evolution and the Historical Development of Public Health - Global Perspective (Module 3)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1996	HPE 212 Socio-Cultural Determinants of Health: Historical Perspective of Public Health in the Philippines (Module 4)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1997	HPE 210 Public Health Education: Historical and Philosophical Foundations of Health Education/Promotion (Global) (Module 2)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1997	HPE 210 Public Health Education: Philosophy and History of Health Education and Promotion in the Philippines (Module 3)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1997	HPE 210 Public Health Education: Biomedical and Social Foundations of Health Education (Module 4)	Philippines	Distance Educ. Office, CPH
TIGLAO, Teodora V.	1997	HPE 210 Public Health Education: Training (Module 15)	Philippines	Distance Educ. Office, CPH
LU, Jinky P.	1998	PH 280 - Field Practice: Social Investigation (Module 1, Lesson 5, Topic 1)	Philippines	Distance Educ. Office, CPH
MACARAEG, Perla S.	1998	PH 280 - Field Practice: Plan Formulation (Module 1, Lesson 5, Topic 5)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M. Course coordinator	1997	PH 203 - Community Disaster Management: State of Disaster (Module 1)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	PH 203 Community Disaster Management: Definitions and General Concepts (Module 2)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1995	Occupational Health Hazards	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	PH 203 - Community Disaster Management: Legal and Ethical Aspects (Module 3)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	PH 203 - Community Disaster Management: Planning and Management Principles (Module 4)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	*	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	and Hospital Disaster Preparedness (Module 6)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	PH 203 - Community Disaster Management: Emergency Settlement (Module 7)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1997	PH 203 - Community Disaster Management: Logistic (Module 8)	Philippines	Distance Educ. Office, CPH
PESIGAN, Arturo M.	1998	PH 280 Field Practice: Implementation of Planned Activities (Module 11, Lesson 1)	Philippines	Distance Educ. Office, CPH
SUBIDA, Ronald D.	1997	PH 280 Field Practice: Meeting with Intersectoral Groups (Module 1, Lesson 4)	Philippines	Distance Educ. Office, CPH

National Teacher Training Center for the Health Professions

Year	Complete Title	Place of Publication
1993	Grades and Grading System	Manila, Philippines
1993	Creative Teaching in the Health Professions	Manila, Philippines
1993	Essence of Caring	Manila, Philippines
1994	Media in Teaching	Manila, Philippines
1994	The Camera	Manila, Philippines
1994	Clinical Evaluation Checklist and Rating Scale	Manila, Philippines
1994	Congenital Anomalies	Manila, Philippines
1994	Guide to Electrocardiogram Measurements for Paramedicals	Manila, Philippines
1995	Introduction to Distance Education	Manila, Philippines
1995	Primer-Pagemaker	Manila, Philippines
1995	Instructional Design: An Overview	Manila, Philippines
1995	Competency-based Curriculum	Manila, Philippines
1995	Formulation of Research Problems	Manila, Philippines
1995	Development of Hypotheses and Research Frameworks	Manila, Philippines
1995	Partially Dentate Patients Part I Case Analysis and Treatment Planning	Manila, Philippines
1996	Training Tutors for Distance Education	Manila, Philippines
1996	Assessment of Affective Learning	Manila, Philippines
1996	Curriculum Planning and Development: An Overview	Manila, Philippines
1996	Community-based Education	Manila, Philippines
1996	Introduction to Computers and MS Word	Manila, Philippines
1996	Epidemiologic and Statistics in Obstetrics	Manila, Philippines
1997	Neonatal Intestinal Obstruction	Manila, Philippines
1998	Acute Abdominal Pain	Manila, Philippines

Institute of Ophthalmology

Author/Editor	Year	Complete Title	Place of Publication	Name of Publisher
SANTOS, Evangeline	1995	2nd National Survey of Blindness	Manila	IO-DOH
SALCEDA, Salvador	1995	Towards a Program of Research in Ophthalmology	Manila	IO-PCHRD
FAJARDO, Romeo	1993	Compedium on Eye Diseases for Family Physician: Blind Eye	Manila	In press
RAMIREZ, Rossina				
FAJARDO, Romeo	1993	Compedium on Eye Diseases for Family Physician: Painful Eye	Manila	In press
RAMIREZ, Rossina				
FAJARDO, Romeo	1993	Compedium on Eye Diseases for Family Physician: Red Eye	Manila	In press
RAMIREZ, Rossina		Cornea and External Eye Disease Problems in the Philippines: Twenty years Survey (1971-1991)		
VALENTON, Mario	1993	Textbook of Ophthalmology: Ocular Immunology	Manila	Phil J Ophth Supplement
DY-LIACO, Jacinto				
NOCHE, Rosie	1993	Textbook of Ophthalmology: Preventive/ Public Health	Manila	In press
RAMIREZ, Rossina	1993	Ophthalmology Manual for Community based Rehabilitation	Manila	In press

Appendix 5

Extension Programs

College of Allied Medical Professions

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries	Est. socio-economic impact
Magallona, Ma. Lucia M.	Audiometric Testing	1998	C	Lilian Fonda ; Handog Banahaw		7	hearing impaired children
Rotor, Esmerita R.	Free Dental Clinic for Special Children	1998	C	Association of PT Students			special children
Rotor, Esmerita R.	Mini Olympics for Children with Disability	1998	C				children w/ disability
Torres Amado G.	CBR Training for DOH	1998	C	DOH			DOH Health Personnel
Isaac, Cynthia V. Ruiz, Maria Eliza S.D. Villegas, Susan B.	Training of Crew in Handling Passengers with Physical Dysfunction	1997	C	Grand Air			Personnel of Grand Air
Isaac, Cynthia V. Ruiz, Maria Eliza S.D. Villegas, Susan B.	Training of Crew in Handling Passengers with Physical Dysfunction	1997	C	Land Transportation Office			Representatives from land transportation groups
Rotor, Esmerita R. Villegas, Susan B.	Free Dental Clinic Training of Wheel Brigade on Handling Elderly Passengers & Those with Physical Dysfunctions	1997 1997	C C	NAIA Office			Special Children Wheel Brigade
Isaac, Cynthia V. Ruiz, Maria Eliza S.D. Villegas, Susan B.	Training on Assisting Disabled and Elderly People With Disability Who Travel Via Sea Vessels	1996	C	NCWDP ; Maritime Industry Authority			Selected officials, crew of some commercial shipping Lines

Isaac, Cynthia V.	Free Medical Clinic	1995	C	Down Syndrome Association of the Phils.	children with Down Syndrome
Isaac, Cynthia V. Ruiz, Maria Eliza S.D. Villegas, Susan B.	Training of Crew in Handling Passengers with Physical Dysfunction at In-Flight Training Centers	1994 - 1997	C	Philippine Airlines	Personnel of Philippine Airlines
Villegas, Susan B.	Training of Hotel Personnel in Handling Disabled Persons	1994	C	Hyatt Regency	Personnel of Hyatt Regency

College of Arts and Sciences

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	Est. socio- economic impact
Vibar, Arwin M.	UNIV Local Coordinating Board for the National Congress of College Students on Social Awareness	1998	O			
Vibar, Arwin M.	Work Camp 1998 (social work seminar for college students) in Bukidnon	1998	C			
Vibar, Arwin M.	Leadership Training Seminar in Camp Phillips, Bukidnon	1998	C			
Vibar, Arwin M.	NSAT Review Seminar in Southridge School, Alabang	1997	C			
Vibar, Arwin M.	Leadership Training Seminar at the Philippine School of Arts and Trades	1997	C			
Vibar, Arwin M.	Work Camp 1997 in Lingayen, Pangasinan	1997	C			
Vibar, Arwin M.	College Admission Test Review Course	1996	C			
Vibar, Arwin M.	Work Camp 1996 (Lingayen, Pangasinan)	1996	C			
Vibar, Arwin M.	College Admission Test Review Course	1995	C			
Vibar, Arwin M.	University Expectations on "Research Work"	1995	C			
Vibar, Arwin M.	Work Camp 1994 (Cebu City)	1994	C			
Vibar, Arwin M.	College Admission Test Review Course	1994	C			
Vibar, Arwin M.	GE Professorial Lecture of Prof. Lea A. Igaya	1994	C			
Vibar, Arwin M.	Preliminary Presentation of the 1991 MSP Funded Projects	1993	C			
Ocampo, Bladimir C.	Instructional Module in Calculus for M.S Maritime Education Students		C	Extension Services, UPM		
Ocampo, Bladimir C.	Instructional Module in Statistics for M.S. Maritime Education Students		C	Extension Services, UPM		
Lourdes E. Abadingo (one of 3 investigators)	Historical Marker project	1993	C	San Miguel Corporation		
Lourdes E. Abadingo, Josefina G. Tayag, Laufred Hernandez	Evaluation of the City Hall Weekend University	1993	C			

College of Dentistry

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Fund	No of Participants/ Beneficiaries	Est. socio-economic impact
Elizabeth G. de Castro, DDM,MPH; and Community Dentistry Teaching Staff	Incremental Dental Care Program	1985	O	UPCD	-	UPIS pupils enrolled in the program from Kinder to Grade 10	Reduced dental cares; good oral health; proper oral hygiene
Elizabeth G. de Castro, DDM,MPH; and Community Dentistry Teaching Staff	Training of Faculty Members Teaching Community Dentistry Nationwide	1985	O	Association of Community Dentistry Educators of the Philippines	-	Community Dentistry teachers of the different dental colleges nationwide	Better teachers in Community Dentistry
Elizabeth G. de Castro, DDM,MPH; and Volunteer Clinicians from UPCD	Isang Ngiti, Isang Lahi	1995	O	Isang Ngiti, Isang Lahi Foundation	-	Payatas Indigent Community	Emergency treatment; reduced dental cares; good oral health; proper oral hygiene
Tristan Nathaniel G. Ramos, DDM; and UPCD Volunteer Group (faculty, students, non-academic personnel)	Asilo de San Vicente de Paul Oral Health Program	1985	O	Asilo de San Vicente de Paul Institution	-	All constituents of Asilo	Oral Health treatment and awareness

College of Medicine

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Anesthesiology Dept.	In-Hospital Missions	1998	C	American-Norwegian Hospital Surgical Association			
	Herniotomy Mission	1998	C	Section of Pediatric Surgery			
	Thyroid Mission Outreach surgical Missions	1998 1998	C C	Dept. of ENT Ugnayan ng Pahinungod			
Family and Community Medicine Dept.	Workshop on Hospice Care	1998	C	Philippine Academy of Family Physicians			
	Workshop on Counseling	1998	C	Philippine Academy of Family Physicians			
	Perpetual Succour Hospital	1998	C	PEFP Cebu chapter			
Residents of Medicine Dept.	Operationa Tule	1998	C	BMS			
	Donation of drugs/medicines to various organizations including COMMED	1998	C	UP-ROTC, Phi Sigma Delta Sorority			
Section of Hermatology (Dr. Alendry P. Caviles)	Volunteer medical missions with UP-Pahinungod						
	Various medical missions/free clinics with NGO's/church org. a. Campus Crusade for Christ b. Malabon Community Church Mass screening for diabetes, dyslipedemia and hypertension Sports for Life	1998					

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
	Adoption Program for Leukemic Children	1998	C				
	Hallmark for Life Christmas cards	1998	C				
	Hematology Educational Outreach	1998	C				
	Symposia of DHF and Transfusion Medicine	1998	C				
	Hika Ko, Kaya Ko	1998	C				
	Medical Mission/ Free Clinic with Dr. Melecia Velmonte	1998	C				
Section of Pulmonary Medicine	Pahinungod Program	1998	C				
	Monthly free Clinic	1998	C	Philippine College of Chest Physicians			
Setion of Rheumatology	Medical Mission	1998	C	Dr. Paolo Lorenzo			
	Medical Mission	1998	C	Boehringer-Ingelheim Foundation and Dr. Arlene Vitug			
	Medical Mission	1998	C	Dr. Ester Persega			
Obstetrics and Gynecology	Medical Mission	1998	C	Ugnayan ng Pahinungod			
	Breastfeeding Monitoring of Sister Hospitals	1998	C	Dr. Estella Legaspi Jose			
	FAMCOHSEF monthly consultations	1998	C	Dr. Angela S. Aguilar			
				Dr. Angela S. Aguilar			
				Dr. Lalaine Picar-Burog			
				Dr. Jean Ann B. Toral			
Ophthalmology Dept.	Department Conferences	1998	C				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
	Postgraduate courses and seminars	1998	C				
	Technical Assistance and Advisory Service	1998	C				
	In-house surgical retina mission	1998	C	Lion's Club			
	In-house cataract mission	1998	C	Governor Yap			
	In-house cataract mission	1998	C	Norwegian-American Mission Team			
Otorhinolaryngology Dept.	Pahinungod sponsored mission	1998	C				
	Gen. Medicine and ENT Clinic	1998	C	Health Alliance for Democracy through Dr. Edelina dela Paz			
	Surgical Mission	1998	C	UP Pahinungod and UPMASA			
	Health Education and Training	1998	C	Pahinungod Municipal Government of Marilao			
	General Medicine, Pediatrics, Dental and ENT Clinic	1998	C	Bulacan's Nutrition Council			
	General Medicine and ENT Clinic	1998	C	Grade School Parent-Teacher Association of St. Scholasticas College			
	General Medicine and ENT Clinic	1998	C	Rotary club of Green-meadows			

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
	General Medicine and ENT Clinic	1998	C	Dr. Josefino Fernandez			
	Thyroid surgical mission	1998	C	CBHP, Diocese of San Jose City, NE Dept. of Family Med, Conossian Sisters, Pahinungod			
	Chielo-Palatoplasty Surgical Mission	1998	C	Ospital ng Cabuyao Pahinungod			
	Medical Clinic	1998	C	Pilipinas Shell Petroleum Corp. Pahinungod			
	Health education & ENT clinic	1998	C	DLSU-CM medical clerks Dept. of Family Med.			
	Health Education and Medical Dental Mission	1998	C	Pahinungod UP Pre-Med Society Quezon City YOPADA			
	Surgical Mission	1998	C	Pahinungod Cong. Hussin U. Amin Cong. Asani Tammang			
	Medical Mission	1998	C	Pahinungod Catholic Center of Evangelization Caritas Manila			

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Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
	Surgical Mission	1998	C	Philippine ENT-HNS Resident's Association (PEHRA)			
Pediatrics Dept.	Tatsulok Project	1998	C	SmithKline Beecham Tanauan municipal govt.			
Psychiatry and Behavioral Medicine Dept.	Elsie Gatches	1996	O				
	National Training School for Boys (NTSB)	1996	O				
	Create Responsible Infants by Sharing Philippines (CRIBS)	1997	O				
	PANGARAP	1995	O				
	Kaisahang Buhay Foundation (KBF)	1997	O				
	Family Care Program	1996	O				
	Critical Incidence Stress Debriefing (CISD) for the victims of Mt. Pinatubo eruption	1996	O	CRID UP Manila DSWD WHO			
	Consultancy on Mental health (Mongolia)	1997	O				
	Mentor Foundation Technical Advisory Group	1994	O	Mentor Foundation			
	Development of the text of the core module of the WPA/PTD programme on depressive disorders	1997	O	World Psychiatric Association			
	National Project on Street children	1992	O	UNICEF DSWD NGO's			
	World Health Organization (WHO) project on streetchildren and drug abuse	1991	O	NGO's Child Hope WHO, Geneva, Switzerland			

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Rehabilitation Medicine Dept.	Community Based Rehabilitation Training	1998	C				
	Blood Letting Day	1998	C				
	Bone Density Screening	1998	C				
Surgery Dept.	Herniotomy Mission (17 patients were operated on)	1998	C	Chow king Rotary Club of Makati NSS Division			
	Encephalomeningocoele Mission (12 patients were operated on)	1998	C				
	Circumcision	1998	C	Urology Division			
	Hemorrhoidal and Fistula en Ano	1998	C	GS II Division			
	Herniorrhapy (21 patients operated on)	1998	C	GS III Division			
	Herniotomy Mission (15 patients operated on)	1998	C	Pedia Surgery			
				Chow king Rotary Club of Makati			
	Herniotomy and Fistulectomy (26 patients operated on)	1998	C	Rotary club of Makati			
	Meningocoele Mission (19 patients were operated on)	1998	C	NSS Division			
	Herniotomy (12 herniotomies done)	1998	C	Pedia Surgery			
				Division			
	Breast and Thyroid	1998	C	GS I			
Anesthesiology Dept.	Cheiloplasty and Palatoplasty	1998	C	UPMASA			
	In-hospital Surgical Missions	1997	C	UP-PGH			
	Outreach Surgical Missions	1997	C	DOH		40/Indigent folks	
				UP-PGH			
				UPM			
				UP			
				Pahinungod			
Family and Community Medicine Dept.	Community-Based Health Program (CBHP)	1997	O				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Internal Medicine Dept.	Postgraduate Course on Internal Medicine	1997	C	Pharmaceuticals Industries			
	Pahinungod volunteers & other Local Free Clinics	1997	C	UP-PGH DOH			
	Dept. Workshops Informatin System	1997	C	Pharmaceuticals Industries			
Biochemistry & Molecular Biology Dept.	Professional Postgraduate Training	1997	O	Registration fees, Sponsoring Organization	25,000		
	Clinical Laboratory Screening	1997	O	MOOE Faculty research	33,400		
	Community Faculty Service in National Committees	1997	O	APMC	20,000		
	Faculty Services within the college	1997	O				
	Volunteer services Consultancy Programs	1997	O	DOH	1,600,000		
Medicine Department	Microsurgery Unit	1997	C				
	a. New Equipment for courses				700,000		
	b. Post-graduate Courses				80,000		
	Financing of Courses				16,000		
	c. Lectures of consultants						
	Travel Assistance						
	Ilizarov (limb lengthening) Unit	1997	C		200,000		
	a. Assorted ilizarov instruments and hardwares				75,000		
	b. Computer	1997	C				
	Sports Medicine				200,000		
a. Continuous passive motion machine				100,000			
b. Travel assistance				100,000			
c. Postgraduate training							

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
	Musculoskeletal Tumor Unit	1997	O		8,000		
	a. Lecture of consultant				40,000		
	b. Inter-hospital mission				100,000		
	c. Postgraduate courses				235,994		
	d. New equipment for courses						
	Tissue Bank	1997	O		6,000		
	a. Lecture of consultants				20,000		
	b. Inter-hospital mission				50,000		
	c. Postgraduate courses				118,000		
	d. New equipment for courses						
Obstetrics and Gynecology	Lactation Management	1997	O		5,000	38	
	Education workshop Seminar						
	Comprehensive Colposcopy	1997	O		69,417.	43	
	Workshop				75		
	OB-GYN Alumni Association	1997	O				
	(OBAA) Outreach Program						
	Family Cooperation Health	1997	O		5,000	12	
	Services Foundation						
	(FAMCOHSEF) Outreach						
	Program						
	Ugnayan ng Pahinungod	1997	O			15	
	Basic and Advanced Ultrasound	1997	O		458,098	91	
	Course						
	Clinical Correlations I OB-GYN:	1997	O		45,000	176	
	Review and Updates (Annual						
	Postgraduate Convention on						
	General OB-GYN and Specialty						
	Topics						
	Voluntary Surgical	1997	O		157,300	24	
	Contraception Training Program						
	Training Course on Basic	1997	O		39,000	100	
	Obstetrics and Gynecology for						
	Practicing Midwives						
Pharmacology Dept.	Drug research Unit	1997	O		2,504,3		
					00		
PsychiatryBehavioral Medicine Dept.	Drug Information Service	1997	O		800,000		
	Family Care Program	1997	O		14,500		
	Pangarap Shelter for Children	1997	O		8,000		

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Pediatrics Dept.	Teaching	1997	C				
	- postgraduate courses/ symposia, workshops/ seminars/circuit courses, epilepsy education program						
	Service	1997	C				
	- medical mission, preventive nephrology, rheumatic fever						
	Research	1997	C				
	- preventive nephrology epilepsy education program rheumatic fever						
Rehabilitation Medicine Dept.	Community -Based Rehabilitation Program	1997	C		72,000		
	Medical Outreach Program	1997	C		16,000		
	Special Education Program	1997	C		312,600		
	Fora	1997	C		450,600		
Surgery Dept.	Pahinungod Missions	1997	O				
	Sagip Buhay Drug Bank	1997	O				
	7th Annual Postgraduate course	1997	C				
	Research Workshop	1997	C				
	Adult Herniorrhaphies, GS III	1996	C				
Anesthesiology Dept.	Herniotomies, Pedia Surgery	1996	C				
	Breast & thyroid Mission, GS I	1996	C				
	Repair of Meningocele, Neurosurgery	1996	C				
	Cheiloplasty	1996	C				
	Plastic Surgery	1996	C				
	Adult Herniorrhaphies	1996	C				
	Pedia Surgery	1996	C				
	Breast Thyroid GS I	1996	C				
	Outreach Missions	1996	C				
	Research workshop	1996	C				
Medicine Department	Basic CPR Course	1996	C				
	Evaluation Workshop	1996	C				
	Pahinungod Adopt-A-Week	1996	C				
	Movie Premiere	1996	C				
	6th Annual Postgraduate Course	1996	C				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Otorhinolaryngology Dept.	Activities on PGH Foundation Day	1996	C				
	Research Protocol	1996	C				
	International Congress on Quality Life	1996	C				
	Department Research Forum	1996	C				
	Advance CPR Course	1996	C				
	Department Graduation	1996	C				
	Medical Missions	1996	C	UP			
	a. Pampanga			Pahinungod			
	b. Imus, Cavite						
	c. Libis, Pasig						
	d. Women's Correctional, Bicutan						
	Surgical Mission	1996	C	UP			
	a. Dipolog and Dapitan, Zamboanga del Sur			Pahinungod			
	Thyroid Mission (PGH)	1996	C				
Obstetrics and Gynecology	First Postgraduate Course on Vestibular Disorders: Basic Approach and Updates	1996	C				
	Postgraduate Course on the Aerodigestive Tract	1996	C				
	Minisymposium in Rhinology	1996					
	Postgraduate course in Head and Neck Surgery	1996					
	Temporal Bone Dissection Course	1996					
	Postgraduate Course in Audiology	1996					
	3rd Annual Postgraduate Course: Basic And Advanced OB-GYN Ultrasound Course And Workshop	1996	C	Wyeth Phil. Himex Corp. Cathay Drug Co.			
	3rd postgraduate Course in Reproductive Endocrinology and Infertility	1996	C	Photokina Wyeth Phil.			

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
	Workshop on Neonatal Advanced Life Support System	1996	C	Wyeth Phil.			
	Problems and Decisions in OB-GYN: Review and Updates 1996	1996	C	Wyeth Phil.			
	The Growth-Retarded Fetus Lactation Management Training Seminar	1996	C	Wyeth Phil.			
	1st Bayside Postgraduate Course	1996	C	Wyeth Phil.			
	APMC Review Course in OB	1996	C	APMC			
	DEMS Workshop	1996	C	Astra Phil.			
	Cytology and Colposcopy Seminar	1996	C	Glaxo Phil			
	Workshop on Antibiotic Prophylaxis	1996	C	Cathay Drug Co., Inc.			
	NFP Workshop	1996	C	PGH			
	Medical Malpractice Lecture	1996	C	PGH			
	A Postgraduate Course in Gynecologic Oncology	1996	C	Various Drug Co's			
	Training Course in Basic Obstetrics and Gynecology for Practising Midwives	1996	C	Wyeth Phil			
	Mini-Lecture in Lactation	1996	C				
	Staff Conference on Cervical Incompetence	1996	C				
	Research Seminars	1996	C				
Pathology Dept. Dr. Racquel Fortun	Volunteered her services to the Quezon City govt. as forensic pathologist to help identify the remaining unidentified and unclaimed bodies of the Ozone Disco Fire	1996	C				
Psychiatry Behavioral Medicine Dept.	CABCOM resettlement site in Pampanga	1996	C				
Pediatrics Dept.	Family Care program	1996	C	Wyeth Phil.	171,330	110	
	Setting Directions in Child Care (29th General Postgraduate Course)	1996	C				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
	Pediatric Advanced Life support Course (PALS)	1996	C	Wyeth Phil.		33	
	Neonatal Advanced Life Support (NALS)	1996	C	Wyeth Phil. Mead Johnson Phils.		77	
	Lactation Breastfeeding Management Training Program	1996	C			97	
	Annual Control Diarrheal Disease Workshop	1996	C	Westmont Pharma- ceuticals ASTRA Phils.			
	Mission-Vision Workshop	1996	C				
	Basic Life Support Course	1996	C				
	Fund-Raising Activity	1996	C				
Radiology Dept.	5th National Congress of Phil. Society of Govt. Radiologic Technologists, Inc.	1996	C	PSGRT		40	
	Lessons learned in Radiotherapy Accident	1996	C			69	
Rehabilitation Medicine Dept.	Adopt-A-Week Program	1996	C				
	Medical Mission	1996	C				
	National Community-Based Services Program	1996	C				
	National Prevention and Rehabilitation Week	1996	C				
Surgery Dept.	Postgraduate course on Cine Clinics	1996	C	Glaxo	200,000	204	
	Pre-Residency	1996	C			17	
	Intern's case	1996	C			9/week	
	Weekly GS conference	1996	C			50/week	
	Weekly Surgical Staff Conference	1996	C			50/week	
	Publication of Surgical Bulletin	1996	O	Glaxo	16,000		
	Publication of Surgery Newsletter	1996	O				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Department of Anatomy Esteban, Jose N. Matubis, Jacob S.	Philippine Society of Anatomists	1995	Completed				
	Philippine Society of Otolaryngologists	1995	Completed				
	Manila Medical Society	1995	Completed				
	Medical Action Group	1995	Completed				
Tangco, Oscar M.	UP Medical Foundation, Board of Trustees	1995	Completed				
Reyes, Leslie M. Teodosio, Gracia B. Villacorta, Pio Renato F.	Philippine Orthopedics Association	1995	Completed				
	Las Piñas Medical Society	1995	Completed				
	Phil. College of Surgeons Sports Development Committee	1995	Completed				
Reyes, Leslie M. Luna, Imelda A. Matubis, Jacob S. Samaniego, Arlene S.	UPCM Tennis Club Vice President	1995	Completed				
	3 rd UPCM Grand Scientific Symposium	1995	Completed				
	3 rd UPCM Grand Scientific Symposium	1995	Completed				
	3 rd UPCM Grand Scientific Symposium	1995	Completed				
	3 rd UPCM Grand Scientific Symposium	1995	Completed				
	Dean's International Circle Class 38 UPCM Foundation Board Member		Completed				
	UP Medical Foundation Trustees Member		Completed				
	In Hospital Surgical Mission	1995	Completed	DOH			Health Care
	Outreach Surgical Missions	1995	Completed	PGH		80	Adv. Know.
	Updates on Pain Management	1995	Completed	Dept.			Adv. Know.
Lecture on Ketoprofen	1995	Completed	Dept.		80	Adv. Know.	
PSA Midyear Refresher Course	1995	Completed	Dept.		80	Adv. Know	
Plenary Lecture Series		Completed				Adv. Know	

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Department of Family and Community Medicine	Facing Emergency Problems in Family Practice	1995	Completed	Unilab	220,000	440	
	Family Medicine Staff Conferences	1995	Completed			60	
	Medical Mission	1995*	Completed	ACF	20,000	300	
	PRIME-MD Training for Trainors	1995	Completed	Pfizer, Inc.		10-20	
	Payment for Health in the Philippines	1995	Completed	None		60	
	Community Oriented Health Care Program		Completed		5,000	60	
	PRIME-MD: Inculturation of a Landmark Instrument + +		Completed	None		100	
	DSM-Primary Version		Completed	Pfizer, Inc.		150	
	5 th Postgraduate Course Back to Basics	1995	Completed			92	
	1 st CPR Workshop for Paramedics	1995	Completed	Dept.		130	
Department of Medicine	5 th Course in ECG Interpretation and Techniques		Completed	Dept.		200	

Name of Faculty/Staff* (Family, Given, Middle Initial)				Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Department of Obstetrics and Gynecology				General Review and Updates	1995	Completed				
				In Obstetrics and Gynecology	1995					
				Post graduate Course in Reproductive	1995	Completed				
				Endocrinology and Infertility	1995					
				Clinical Obstetrics and Gynecology	1995	Completed				
				Ultrasound Course Basic and Advanced	1995					
				Research seminar		Completed				
				Values Clarification Workshop		Completed				
				Lactation Management Training Seminar		Completed				
				Workshop on Neonatal Advanced Life Support System		Completed				
				Computer Course		Completed				
				Scientific Meeting Assessment of the Preterm Fetus		Completed				
				Staff Conference on Fetal Monitoring		Completed				
				Scientific Meeting on Breastfeeding						
				Department of Obstetrics and Gynecology				In House Cataract Mission	1995	Completed
Pahinungod Missions (Jolo, Dipolog, Lubang)	1995	Completed								
Oplan Sagip Mata	1995	Completed								
Department of Pathology				CPC Lectures	1995	Completed	PGI			
				Voluntary Work Lectures	1995	Completed	Pahinungod			
				PVM Lectures	1995	Completed	UPCM			

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Department of Physiology	College of Medicine	1995	Completed				
	College of Dentistry	1995	Completed				
	College of Allied Medical Profession	1995	Completed				
	College of Home Economics-UP Diliman	1995	Completed				
	College of Science-Diliman	1995	Completed				
	Graduate School	1995	Completed				
	Department of Pharmacology	1995	Completed				
	Multidisciplinary Laboratory	1995	Completed				
	Clinical Epidemiology Unit	1995	Completed				
				Completed			
			Completed				
			Completed				
Department of Psychiatry and Behavioral Medicine	MASIGLA Foundation	1995	Completed				
	Nayon ng Kabataan	1995	Completed				
	Reception and Study Center for Children	1995	Completed				
	WEE Care and CSTP SPED School	1995	Completed				
	Bulacan Provincial Hospital	1995	Completed				
	Residency Training Center	1995	Completed				
	Pangarap Center for Children	1995	Completed				
Department of Radiology	Radiology Convention Progress	1995	Completed				
	4 th Annual National Congress of PSGRT	1995	Completed				
Department of Rehabilitation Medicine	Community Based Rehabilitation Program	1995	Completed				
	Department of Inter departmental Conferences	1995	Completed				
	Low Back Hygiene Class and Rheumatoid Arthritis Class	1995	Completed				

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Department of Surgery	Postgraduate Course on Continuing Challenges in General Surgery	1995	Completed	Glaxo	P50,000		
	Research Methodology Courses	1995	Completed				
	Pre-residency Training Program	1995	Completed				
	Intern's Case Conference	1995	Completed				
	Weekly GS Conference	1995		Rotary Club			
	Weekly Surgical Staff Conference	1995	Completed	UP			
	In Hospital Surgical Missions		Completed				
	Out of Hospital Surgical Missions		Completed				
Department of Anesthesiology	In-hospital surgical missions	1994	Ongoing	DOH			
	Outreach surgical missions (Ugnayan ng Pahinungod)	1994	Ongoing	UP			
	PSA Annual Convention	1994	Ongoing	PGH			
	New Frontiers in pain management	1994	Ongoing	PSP			

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Department of Biochemistry and Molecular Biology Marita V.T. Reyes	PCASTRD	1994	Ongoing				
	DOH-HHRD	1994	Ongoing				
	Reprocen	1994	Ongoing	PCASTRD			
	Phil. Biochem Society	1994	Ongoing	DOH-HHRD			
Angelita G. Reyes	Organic Chemistry Teachers Asso.	1994	Ongoing	Reprocen			
	Phil. Biochem Society	1994	Ongoing	PBC			
	Phil. Environmental Mutagen Society	1994	Ongoing				
	Phil. Federation of Chemical Societies	1994	Ongoing	OCTA			
Rhodora C. Estacio	NRCP	1994	Ongoing	PBC			
Manuel P. Macapinlac	NRCP	1994	Ongoing	PEMS			
	PBS	1994	Ongoing	PFCS			
			Ongoing	NRCP			
	Phil. Asso. Of Academic Biochemists	1994	Ongoing				
	United Coconut Asso. Of the Phils.	1994					
	UNILAB NRCP						
Milagros B. Leño	NRCP	1994	Completed	PAAB			
	PBS	1994	Completed	UCAP			
Yasmyne C. Ronquillo				UNILAB NRCP			
	Department of Ophthalmology Research Development Office	1994	Completed				
	Philippine Society of Ophthalmologists	1994	Completed				

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Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Department of Obstetrics and Gynecology	UPCM Postgraduate Courses	1994					
Dr. Menandro Villadelgado	UPCM Postgraduate Courses	1994	Completed				
Dr. Susan Carpio	UPM Ugnayan ng Pahinungod	1994	Completed				
Dr. Leah Louise Vega	UPM Ugnayan ng Pahinungod	1994	Completed				
Dr. Regina Villar	UPM Ugnayan ng Pahinungod	1994	Completed				
Dr. Cora Valdez			Completed				
Department of Otorhinolaryngology	In-hospital Mission Thyroid	1994		J&J, Inc.			
	Reach Out Mission Samar, Dipolog, Jolo	1994	Completed	PGH			
Department of Pharmacology	Postgraduate Courses						
	- Pharmacology Training on Medicinal Plants Products	1994	Completed	DOH		6	
	- Clinical Toxicology	1994	Completed	DOH PGH		5	
	- Experimental Pharmacology	1994	Completed			18	

Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-economic impact
Department of Psychiatry and Behavioral Medicine	MASIGLA FOUNDATION	1994	Completed	Lung Center			
	Nayon Ng Kabataan	1994					
	Reception and Study Center for Children	1994	Completed				
	WEE Care and SPED School	1994	Completed				
	Training of Counsellors for Asthmatics						
	And their Families; and Training of Counsellors for COPD patients and Their families						
	Workshop on Community based Rehabilitation Program on Psychosocial Care for the Physically Disabled and Their Families (Zamboanga, Misamis, Guimaras)						
	Doctors to the Barrios	1994	Completed				
	Residency Training Program	1994	Completed				
	Save the Children	1994	Completed				
	Fora Medica	1994	Completed				
	Pahinungod	1994	Completed				
	Kapwa Ko Mahal Ko Foundation	1994	Completed				
	Critical Incident Stress Debriefing (CISD) for Disaster Workers	1994	Completed				
			Completed				
Department of Radiology	Symposium for Government Radiologic Technologists	1994	Completed	DOH		19	
	3 rd National Congress of Government Radiologic Technologies	1994	Completed			466	

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Name of Faculty/Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/Beneficiaries	Est. socio-economic impact
Department of Rehabilitation Medicine	Community Based Rehabilitation Program	1994	Completed	Local Govt.			
	Department and Interdepartment Conf. Low Back Hygiene Class and Rheumatoid Arthritis Class	1994	Completed	Drug comp.			
Department of Surgery	Postgraduate Course on Surgical Diagnostics	1994	Completed	Glaxo	P50,000	190	
	Research Methodology Course	1994	Completed			31	
	Pre-residency training program	1994	Completed			16	
	Interns Case Conference	1994	Completed			9/wk	
	Weekly GS Conference	1994	Completed			50/wk	
	Weekly Surgical Staff Conference	1994	Completed			50/wk	

College of Nursing

Name of Faculty/ Staff*	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries	Est. socio-economic impact
Ballestero, Amor U. (Vidal, Victoria L.) (Villarta, Bethel Buena P.)	Radyo DZLB (Broadcasting Program) - AKBAYAN SA KALUSUGAN		O			23 provinces of Laguna	Increase health awareness through broadcast media
Villarta, Bethel Buena P. (Lao-Naro, Ma. Brigette T.) (Vidal, Victoria L.)	Developing a Quality Assurance Program for Fabella Hospitak	Jan-99	O				Improve quality of nursing services through QAP instantiation
Dones, Luz. Barbara P. Acop, Jocelyn G. Alegre, Diana Gloria Balabagas, Aracili O. Ballestero, Amor U. Cabailo, Ruth Rhaisa A.	Teleconferencing Program with : 1. Zamboanga City Medical Center 2. Davao City Medical Center 3. Bicol Regional Training and Teaching Hospital	1994 1. 1997 1997	C C O	DOH	P145,000	2,100 RNS 700 RNS 840 RNS	Provide continuing education to nurses in the region
Calma, Mma. Fe Lanroi G. Karganilla, Anita A. Lao-Naro, Ma. Brigette T. Manahan, Lydia T. Vidal, Victoria L. Villarta, Bbethel Buena P.	4. Cagayan Valley Regional Hospital	1997	O	DOH		700 RNS	

Name of Faculty/ Staff*	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries	Est. socio-economic impact
Dones, Luz Barbara P. Karganilla, Anita A. Bonito, Sheila Dumlao, Ma. La Paz	UPM Telehealth Project	1997	C				Provide continuing education to nurses

College of Pharmacy

Name of Faculty/Staff	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	# of Participa Beneficiaries
Bautista, Jocelyn S De Guzman, F	Use of single punch tablet press	1997	C			
Bautista, Jocelyn S	Stability studies on jelly candy	1997	C	Golton		1
Mostrales, Beatriz L	Catechin and Caffeine solutions	1997	C			2
Dizon, Monica	Extraction of bark of A Flava	1997	C			1
Mostrales, Beatriz L	Analysis of Lysol-Pine Scent	1997	C	PGH		1
Bautista, Jocelyn S De Guzman, F	Compression of Lozenges	1997	C	Glaxo		2
Arquiza, Shirley C	Pharmacy Aide Training for the Botika sa Barangay for the Community-based Helath Program	1997	C	UP-CM		
Bautista, Jocelyn S	Pharmaceutical factors in the safety, efficacy and reliability of medicinal plant products	1996	C	DOH		40
Marquez, Fernando M	Scientific Forum on Herbal Medication	1996	C	DOH		40
Bautista, Jocelyn S	Formulation of Philippine medicinal plants	1996	C	FJCPPhA		200
Mostrales, Beatriz L	Phytochemical screening of mahogany seeds	1996	C	Master wood		1
Bautista, Jocelyn S	Preparation of 10% Sulfur Ointment	1996	C			1
Marquez, Fernando M	Literature on Coriander	1996	C			1
Maliglig, Llody Boy L	Use of Polarimeter	1996	C	Elin		1
Lorenzo, Abigail Martinez, Melody	Analysis of Lagundi Tablet	1996	C	Pascual		1
Lorenzo, Abigail Martinez, Melody	Use of pH Meter	1996	C			
Lorenzo, Abigail Martinez, Melody	Samples of Lagundi, Sambong and Ampalaya Tablets	1996	C			
Mostrales, Beatriz L Isidro, Dayang N G	Analysis of Cirimar Saponated	1996	C	PGH		1
Lorenzo, Abigail Martinez, Melody	Analysis of Paracetamol Injection	1996	C	PNF		1

Cutierrez, Leticia B B De Castro, Natividad F Torres, William D Bautista, Ma Rosario L Bautista, Jocelyn S Marquez, Fernando M	Training Program on Product Development	1995	C	12
IP Department	Moisture content determination of ampalaya leaves	1995	C	1
IP Department	Production of lagundi tablets and its placebo	1995	C	1
Bautista, Jocelyn S	Formulation of papaya latex cream	1995	C	1
Bautista, Jocelyn S	Formulation of mahogany seed extract	1995	C	1
Bautista, Jocelyn S	Formulation of placental extract solution	1995	C	1
Bautista, Jocelyn S	Formulation of 20% glutaraldehyde solution	1995	C	1
Bautista, Jocelyn S	Formulation of garlic extract solution	1995	C	1
Bautista, Jocelyn S	Preparation of powdered extract of papaya latex	1995	C	1
Bautista, Jocelyn S	Production of fire retardant chemical solution	1995	C	1

College of Public Health

Name of Faculty (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Partici- pants/Beneficiaries	Est. socio-eco- nomic impact
<u>Department of Health Policy & Administration</u>							
Lorenzo, Marilyn Rillon, Edmunda Recon, Edgardo	Hospital Epidemiology Program	1997	Ongoing	DOH Honoraria	P2.1M	30X6 = 180 Trainees	Improvement and compute- rization of Hos- pital Informa- tion system
Caragay, Ruben Maligat, Ronald	Health System Analysis of PHC Project (PNRI)	1999	Completed	PNOC	P78,000.00		
Maligat, Ronald D.	HIV/AIDS and STDs in the Philippines	1998	Completed	ENHR	P56,000.00		
Tobias, Eufemia M.	Training of Oral Health Care Workers on Preventive Dentistry	1998	Completed/ Ongoing	COMMED	P 5,000.00 /resource person		
Tobias, Eufemia M.	Summer Immersion Program Project	1998	Completed/ Ongoing	UP Manila	P5,000.00/ volunteer		

* Count by book/monograph/chapter or section

**For chapters in books enter name of editor and title of book in the next row
(But count only the chapter not the book)

Name of Faculty (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-econo- mic impact
<u>Department of Health Policy & Administration</u>							
Pesigan, Arturo M.	Doctors to the Barrios Training	1995	O	DOH		80+ per batch	
Pesigan, Arturo M.	STOP: Death Training	1996	O	DOH		60+ per batch	
Pesigan, Arturo M.	Health Emergency Management	1996	O	WHO		60+ per batch	
Pesigan, Arturo M.	Training for Midwives	1998	O	Doktora Foundation		Midwives in NCR	
<u>Inter-Department</u>							
Faculty of the 7 Depts. of CPH	Training of Sanitarians (NSTC)	1999	O	DOH			

* Count by book/monograph/chapter or section

**For chapters in books enter name of editor and title of book in the next row
(But count only the chapter not the book)

Name of Faculty (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Funding	No. of Participants/ Beneficiaries	Est. socio-eco- nomic impact
Inter-Department (cont'd.)							
Sarol, Lilen Tobias, Eufemia Ancheta, Caridad Rabuco, Lucila Leonardo, Lydia	Short-term Laboratory Management Course for CNIPH Trainees					4 Cambodians	

* Count by book/monograph/chapter or section

**For chapters in books enter name of editor and title of book in the next row
(But count only the chapter not the book)

National Teacher Training Center for the Health Professions

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Gailan, Tarlochan	Curriculum Development	7/25/98		Diabetes Foundation		10
Mencias, Cristina	Curriculum Review	7/23/98		Dept. of Family Medicine		35
Gailan, Tarlochan	Testmanship	7/1/98		UERM- PT		96
Mencias, Cristina	Overview of Evaluation	6/29/98		NTTC-HP		46
Mencias, Cristina	Grades and Grading	6/22/98		St. Luke's Medical Center		30
Fajutagana, Nemuel	Partnership in Health Program	6/13/98		Phil. Center for Population		30
Gailan, Tarlochan	Classroom and Clinical Teaching Strategies	6/4/98		Cebu Inst. Of Medicine		24
Fajutagana, Nemuel	Classroom and Clinical Teaching Strategies	6/4/98		Cebu Inst. Of Medicine		24
Fajutagana, Nemuel	Faculty Developmet Workshop (Lecturing)	6/4/98		MCU-Medicine		80
Fajutagana, Nemuel	Faculty Developmet Workshop (SGL)	6/1/98		MCU-Medicine		80
Fajutagana, Nemuel	Competency Based Curriculum	5/29/98		UP-PGH (Surgery)		15
Fajutagana, Nemuel	Continuing Education in Community Medicine	5/30/98		DOH		80
Fajutagana, Nemuel	Classroom and Clinical Teaching Strategi	5/25/98		NTTC-HP		14
Gailan, Tarlochan	Classroom and Clinical Teaching Strategi	5/25/98		NTTC-HP		14
Mencias, Cristina	Test Construction	5/21/98		St. Luke's Medical Center		30
Gailan, Tarlochan	Course Review	5/20/98		UERM- PT		8
Gailan, Tarlochan	Course Review	5/18/98		UERM- PT		8
Gailan, Tarlochan	Course Review	5/18/98		UERM- PT		8
Mencias, Cristina	Women's Health Training for Preceptors	4/28/98		DOH		25

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Fajutagana, Nemuel	Conference on Family Medicine Teachers	4/15/98		Phi. Society for Family Medicine		50
Fajutagana, Nemuel	FD Training on Student Assessment	4/1/98		Perpetual Help		15
Fajutagana, Nemuel	Pres-Testing Workshop: Human Rights for Medicine	3/24/98		UP-CIDS		12
Omaois, Marina	Evaluation of Students	2/24/98		Phil. Society of Anesthesiology		40
Mencias, Cristina	Evaluation of Students	2/24/98		Phil. Society of Anesthesiology		40
Gailan, Tarlochan	Test Construction	2/11/98		UERM-PT		10
Mencias, Cristina	History of Health Professions (Seminar)	1/30/98		UP Manila St. Paul Tuguegarao		30
Gailan, Tarlochan	Clinical Teaching and Evaluation	1/11/98		Ugnayang Pahinungod		56
Mencias, Cristina	Facilitating Skills for Pahinungod Volunte	1/14/98		Ugnayang Pahinungod		25
Mencias, Cristina	Facilitating Skills for Pahinungod Volunte	1/15/98		Ugnayang Pahinungod		25
Mencias, Cristina	Facilitating Skills for Pahinungod Volunte	1/16/98		Pahinungod		25
Mencias, Cristina	Seminar-Workshop on Test Construction	10/28/96		Letran, Calamba		50
Mencias, Cristina	Seminar-Workshop on Teaching Strategie	10/22/96		ACDEP		23
Mencias, Cristina	Seminar on Test Construction	10/19/96		PRC-Innotech		10
Gailan, Tarlochan	Inter-University Workshop on Problem- Based Learning	10/21/96		NTTC		33
Mencias, Cristina	Inter-University Workshop on Problem- Based Learning	10/22/96		NTTC		33
Fajutagana, Nemuel	Inter-University Workshop on Problem- Based Learning	10/23/96		NTTC		33
Mencias, Cristina	Int'l Symposium on Disasters on Health	10/18/96		UP Manila		12
Gailan, Tarlochan	Seminar-Workshop on Clin. Teaching & E	10/13/96		St. Paul Cagayan		85

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Mencias, Cristina	Seminar-Workshop on Problem-Based Learning	10/9/96		UP-PGH		30
Mencias, Cristina	Seminar-Workshop on Oral Examination	9/24/96		Phil. Pediatric Society		10
Mencias, Cristina	Forum on Community-Based Education	9/20/96		CAS, UPM		15
Fajutagana, Nemuel	PBL Workshop for OB-GYN	9/15/96		MCU-Medicine		15
Fajutagana, Nemuel	Trng Workshop for Youth Peer Educators & Advocates for Adolescent Health & Aids	8/16/96		DOH-DECS		90
Omaois, Marina	Seminar-Workshop on Instructional Desig	8/2/96		CAS, UPM		20
Sana, Erlyn	Seminar-Workshop on Instructional Desig	8/3/96		CAS, UPM		20
Gailan, Tarlochan	Consultancy Paintai Berhard Hospital	8/16/96		Pantai Berhard		56
Omaois, Marina	Syllabus Writing	6/15/96		UP Manila		15
Omaois, Marina	Seminar-Workshop on Instructional Design	6/15/96		San Juan De Dios		10
Sana, Erlyn	Seminar-Workshop on Instructional Design	6/16/96		San Juan De Dios		10
Gailan, Tarlochan	Teaching Methodologies	6/5/96		Society of Anesthesiology University of San Agustin-CN		25
Gailan, Tarlochan	Clinical Evaluation	5/27/96		St. Luke's Medical Center		160
Ladao, Joaquin, Jr.	Media in Teaching	5/23/96		University of Northern Phils.		
Mencias, Cristina	Problem-Based Learning	5/23/96		UP-PGH		
Mencias, Cristina	Teaching, Learning & Evaluation of Stude	5/22/96		Mariano Marcos State University		
Mencias, Cristina	Competency-Based Curriculum	5/20/96		Acupuncture, Therapeutic & Reseach Center		
Gailan, Tarlochan	Teaching Methodologies	5/14/96				

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
				Phi. Ambulatory Pediatric Assoc.		
Gailan, Tarlochan	Instructional Design	12/7/95				30
All NTTC-HP Faculty	Medical Pedagogy	9/4/95				3
Magkasi, Remedios	Training of Basic Science Teachers	10/27/95		WHO Fellows		29
Mencias, Cristina	Test Construction - Inter-University Wrksh	10/23/95		FEU		25
Magkasi, Remedios	Test Construction - Inter-University Wrksh	10/23/95		NTTC-HP		25
Gailan, Tarlochan	Test Construction - Inter-University Wrksh	10/23/95		NTTC-HP		25
Sana, Erlyn	Instructional Design - Distance Educ	10/20/95		Cabanatuan		23
Omaois, Marina	Instructional Design - Distance Educ	10/20/95		Cabanatuan		23
Gailan, Tarlochan	Clinical Teaching and Evaluation	10/16/95				72
Sana, Erlyn	Values Towards Teaching	9/30/95		UE-Dentistry		20
Omaois, Marina	Values Towards Teaching	9/30/95		UE-Dentistry		15
Mencias, Cristina	Item Analysis	9/27/95		UP Manila		25
Cristostomo, Armando	Clinical Evaluation	9/25/95		NTTC-HP		98
Sana, Erlyn	Instructional Design/Test Construction	9/15/95		UP Manila		23
Omaois, Marina	Instructional Design/Test Construction	9/15/95		UP Manila		23
Mencias, Cristina	Instructional Design/Test Construction	9/15/95		UP Manila		23
Cabatan, Concepcion	Test Construction	8/28/95		NTTC-HP		103
				ADCPN Region V		
Gailan, Tarlochan	Clinical Evaluation	8/16/95				113
Mencias, Cristina	Planning for Evaluation	7/21/95		NTTC-HP		65
Magkasi, Remedios	Creativity in Teaching Anatomy	7/21/95		DLSU		
Gailan, Tarlochan	Instructional Design	6/29/95		UPCM		40
Dimaya, Erna	Overview of Evaluation in HPEd	6/26/95		NTTC-HP		38
Ladao, Joaquin Jr.	Instructional Materials & Design	5/22/95		DLSU		60
Gailan, Tarlochan	Instructional Materials & Design	5/22/95		DLSU		60
Gailan, Tarlochan	Competency-Based Curriculum	5/15/95		Cabanatuan		30
Gailan, Tarlochan	Evaluation of Competency-Based Curr	5/3/95		Xavier		27
Ladao, Joaquin Jr.	Preparation of Instructional Media	4/24/95				30
Mencias, Cristina	Pahinungod Workshop	3/2/95		Iloilo		25
Romero, Roel	Designing Workshops	3/1/95		PADA		30
Romero, Roel	Teaching Problem-Solving	2/27/95		NTTC-HP		28
Romero, Roel	Residency Training Program	2/27/95		PDS		

Romero, Roel	Objective Structured Clinical Evaluation	2/14/95		PSBIM		
Romero, Roel	Designing Workshops	2/2/95		ASEAN		
Marcial, Joselita	Competency-Based Curriculum	1/30/95		NTTC-HP		44
Romero, Roel	Attitudes Assessment	1/29/95		UPCM		
Romero, Roel	Interviewing Skills	1/13/95		UERMMMCC		
Romero, Roel	Written Exams Review	1/7/95		PSBIM		
Romero, Roel	Final Review of Written Examinations	1994		PSBIM		
Mencias, Cristina	Trainers Workshop	1994		UP-CPH		
				Phil. Academic Society of Microbiology,		
Ladao, Joaquin Jr.	Instructional Media/Communication	1994		DLSU		
Ladao, Joaquin Jr.	Instructional Media/Communication	1994		DLSU-CN		
Gailan, Tarlochan	Test Construction	1994		ADCPN/PRC		
				Phil. Board of Orthopedics (PBO)		
Romero, Roel	Written Examination-Simulation Analysis	1994				
Mencias, Cristina	Reforms in Medical Association	1994		APMC		
Gailan, Tarlochan	Design and use of Self-Instructional Mat'l's	1994		ADCPN		
	Facilitating Decision on Results of					
Romero, Roel	Written Examination	1994		PSBIM		
Mencias, Cristina	Forum on Distance Education	1994		UP Manila		
				DOH- National Association of Dentist		
Ladao, Joaquin Jr.	Instructional Media/Communication	1994				
Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Romero, Roel	Structuring the Process of Training Program Accreditation	1994		Phil. Dermatological Society (PDS)		
Romero, Roel	Test Construction	1994		Phil. Board of Orthopedics		

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Gailan, Tarlochan	Clinical Teaching and Evaluation	1994		St. Paul University		
Ladao, Joaquin Jr.	Video Production Consultant	1994		Tuguegarao		
Mencias, Cristina	Curriculum Development	1994		UP Manila		
Romero, Roel	Review of Written Examination	1994		Institute of Family and Community Health, Q.C.		
Romero, Roel	Needs Assessment for Continuing Educ	1994		Phil. Board of Urology		
Gailan, Tarlochan	Test Construction	1994		OGCE, UPM		
Gailan, Tarlochan	Educational Materials Development	1994		ADCPN -PRC		
Romero, Roel	Conduct of Post-Graduate Coruses	1994		JHPIEGO		
Romero, Roel	Structure of Accreditation Process for Training Programs	1994		Phil. College of Surgeons (PCS)		
Romero, Roel	Test Construction	1994		Phil. Dermatological Society (PDS)		
Romero, Roel	Evaluation of the Alternative Residency Program for Community Medicine	1994		Phil. Board of Orthopedics		
Mencias, Cristina	Review of Written Examination & Oral Ex	1994		COMMED		
Romero, Roel		1994		PSBIM		
Gailan, Tarlochan	Test Construction	1994		Regional Assoc. of Nursing Deans Region I		
Gailan, Tarlochan	Competency-based Test Construction	1994		UERMMMC-CN		
Romero, Roel	Attitude Assessment & Development	1994		MCU-CM		
Mencias, Cristina	Assessment of Distance Education	1994		UO-Diliman		
Gailan, Tarlochan	Clinical Evaluation	1994		NTTC-HP		

				Phil. Society of Anatomist , St. Louis University, Baguio
Magkasi, Remedios	Test Construction	1994		Dept. of Child Health (FEU-NRMF)
Magkasi, Remedios	Teacher-Training Seminar	1994		Dept. of ENT, UP Medicine AMEC Education System
Mencias, Cristina	Strategies of Teaching	1994		
Magkasi, Remedios	Teacher-Training Seminar	1994		
Romero, Roel	Curriculum and Faculty Development	1994		UERMMMC-CM St. Paul College, Iloilo
Gailan, Tarlochan	Creative Teaching	1994		Phil. Board of Ophthalmology
Romero, Roel	Evaluation and Test Construction	1994		Phil. Board of Ophthalmology
Romero, Roel	Certification of Professional Competence	1994		UPCM
Gailan, Tarlochan	Instructional Design	1994		MCU- Dept. of Surgery
Romero, Roel	Improving the Validity of Written Exams	1994		Phil. Board of Orthopedics
Romero, Roel	Reviewing Test Blueprints and Selected Items	1994		PSBIM
Romero, Roel	Preparing Written Tests	1994		
Romero, Roel	Forum Cum Workshop on Reforms in Health Sciences Education	1994		
Mencias, Cristina		1994		UP Manila Phil. Board of Neurology
Romero, Roel	Written Test Construction	1994		DLSU
Mencias, Cristina	Instructional Design & Module Preparatio	1994		College of Medicine, Medical Educ Unit, UP Manila
Mencias, Cristina	Common Methods of Evaluation in Classroom and Clinical Setting	1994		
Mencias, Cristina		1994		

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Mencias, Cristina	Test Construction	1994		Gallego, College of Nursing, Cabanatuan Nueva Ecija		
Romero, Roel	Written Test Construction Physiologic and Mechanical Bases of Balanced Articulation: Their Purpose and Effects on Dental Service	1994		Phil. Specialty Board of Internal Medicine		
Ladao, Joaquin Jr. Gailan, Tarlochan	Test Construction	1994		UPCD ADCPN		
Mencias, Cristina	Preparation and Evaluation of Chemistry Textbook	1994		FEU-CAS		
Gailan, Tarlochan Romero, Roel	Developing Competence in Instructional Design	1994		NTTC-HP DLSU-CM		
Romero, Roel	Curriculum Evaluation Oral & Practical Test: Preparation/Residency Training Program Accreditation	1994		Phil. Board of Orthopedics		
Mencias, Cristina	Overview of Problem-Based Learning	1994		College of Medicine, Medical Educ Unit, UP Manila		
Romero, Roel	Evaluation of Curriculum on Digestive Diseases	1993		APMC UPCM- Dept of Anatomy		10
Gailan, Tarlochan	Teaching Strategies	1993		UPCM- Dept of Anatomy		10
Mencias, Cristina	Instructional Design	1993		UPCM - Dept of OB GYNE		10
Mencias, Cristina	Competency-Based Curriculum	1993				

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Romero, Roel	Management of Residency Trng. Program	1993		Phil. Dermatological Society (PDS)		8
Gailan, Tarlochan	Developing Evaluation Competence	1993		NTTC-HP		11
Germar, Erlinda	Developing Evaluation Competence	1993		NTTC-HP		11
Mencias, Cristina	Competency-Based Curriculum	1993		UPCM		
Romero, Roel	Curriculum Evaluation	1993		MCU-FDT-CN		25
Romero, Roel	Evaluation of Training Program in Pediatric Neurology	1993		PCMC Sacred Heart College of Nursing, Lucena		30
Gailan, Tarlochan	Evaluation of Learning	1993				35
Romero, Roel	Clinical Evaluation	1993		DLSU-CM		20
Romero, Roel	Program Development Pediatric Neurolo Using Results of Evaluation to Improve	1993		PCMC		20
Maaño, Clarita	Learner Peformance	1993		NTTC-HP		22
Gailan, Tarlochan	Test Construction	1993		ADCPN Ust- Faculty of Medicine and Surgery		45
Alora, Angeles	Evaluation of Teaching Effectiveness	1993		UPCN Westin Philippine Plaza		
Mencias, Cristina	Item Analysis	1993				
Alora, Angeles	Issues on Rehabilitation Medicine Teaching Strategies and Evaluation of Learning	1993		Manila Doctors Martinez Memorial College of Nursing		50
Gailan, Tarlochan	Teaching Strategies and Evaluation	1993				50
Alora, Angeles	Curriculum -Asthma	1993		PGH PGH-Dept. of Ophthalmology		
Alora, Angeles	Teaching-Learning Process	1993		UNILAB		35
Gailan, Tarlochan	Basic Concepts of Critical Thinking	1993				

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Mencias, Cristina	A Look at Learning Objectives	1993		Physiology Society of the Phil.		
Gailan, Tarlochan	Infusing Critical Thinking in the Nursing Curriculum	1993		PCMC		35
Romero, Roel	Evaluation of Curriculum Design for Clinical Pharmacology	1993		Phil. Society of Pharmacology		5
Mencias, Cristina	Test Construction and Improvement	1993		PRC Manila		
Alora, Angeles	Test Construction	1993		UST-CN		
Mencias, Cristina	Evaluation of Student Learning	1993		Angeles University Foundation		
Gailan, Tarlochan	Conceptual Approach & Eval Techniques	1993		Union Christian College, San Fernando, La Union		18
Romero, Roel	Overview of Teaching-Learning Process for New Faculty	1993		UERMMMC-CM		30
Romero, Roel	Modifying Instructional Design for Physical Diagnosis	1993		DLSU-CM		25
Gailan, Tarlochan	Teaching-Learning Process	1993		MCU-CM		20
Romero, Roel	Test Construction	1993		MCU-CM		30
Gailan, Tarlochan	Reassessment of the BSN Curriculum	1993		ADCPN		43
Romero, Roel	Continuing Education Process, Conducting Journal Club Meetings and Doing Clinical Research	1993		Phil. College of Surgeons (Cebu Chapters)		80
Gailan, Tarlochan	Facilitating Small Group Discussion	1993		PGH-Dept. of Ortho		40
Romero, Roel	Training the Trainers	1993		Phil. Society of Anesthesia		50
Gailan, Tarlochan	Creative Teacher	1993		NTTC-HP		110

Name of Faculty/ Staff* (Family, Given, Middle Initial)	Name of Extension Project	Year Started	Project Status	Source of Funding	Amount of Funding	No of Participants/ Beneficiaries
Romero, Roel	Test Construction	1993		UERMMMC-CM		7
Mencias, Cristina	Multidisciplinary Health Team	1993		UP Manila		
Gailan, Tarlochan	Testmanship	1993		UERMMMC-PT		60
Gailan, Tarlochan	Basic Critical Thinking Skills	1993		UERMMMC-CN		13
Alora, Angeles	Bioethics Research	1993		UP-CEU		
Romero, Roel	Crse Design in Clinical Pharmacology	1993		UP CM		5
Romero, Roel	Management of Teaching	1993		UERMMMC-CM		25
Gailan, Tarlochan	Educational Materials Development	1993		JHPIEGO		
Romero, Roel	Curriculum Evaluation	1993		MCU-CM		30
				Phil. Dental Foundation, UP Alumni Center		
Mencias, Cristina	Evaluation in Community	1993				
Mencias, Cristina	Planning of Pedagogy Course	1993		UP-CM		
Romero, Roel	Test Construction: Written Exam	1993		Phil. College of Physicians		10
Romero, Roel	Test Construction: Oral Exam	1993		Phil. Board of Urology		20
Romero, Roel	Review of Written Examination	1993		Phil. College of Physicians		8
Mencias, Cristina	Instructional Design for Competency Based Curriculum	1993		DLSU-CN		
Romero, Roel	Attitude Assessment	1993		NTTC-HP		10
				South East Asian Clinical Epidemiology Network, Tarnate, Cavite		
Mencias, Cristina	Instructional Design Critique of Clinical Pharmacology Proposed Course	1993		Post Graduate Course in Pharmacology, UP- CM		30
Romero, Roel		1993				
Romero, Roel	Reviewing of Written Examinations	1993		PSBIM		10

Research Presentations of Ophthalmology Residents			Dept. of Ophthalmology, PGH	
Gailan, Tarlochan		1993		30
Romero, Roel	Overview of Teaching Learning	1993	DLSU-PT San Pedro College, Davao City	25
Gailan, Tarlochan	Creative Teaching Strategies	1993		70
Romero, Roel	Reviewing of Written Examinations	1993	PSBIM	10
	DOH Health Council Workshop on Innovative Alternative Approach to Human Resource Development		Pagsanjan, Laguna	
Mencias, Cristina		1993		
Gailan, Tarlochan	Educational Materials Development	1993	JHPIEGO	12
Gailan, Tarlochan	Creative Teaching	1993	ADCPN	91

Institute of Ophthalmology

Name of Faculty Staff*	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Fnding	No. of Participants/Beneficiaries	Socio-Econ. Impact
Agulto, Manuel B.	Technical Assistance & Advisory Services	1993-Present	Ongoing	ERC		Patients	service & research
.	.	1993-Present	.	JB Lingad Memorial Hospital		Patients	.
All University Researchers of IO who are doctors	.	1993-Present	.	Dept. of Ophth., College of Medicine		MAgulto RRNoche EOSantos RARamirez MValenton WSison JDy-Liacco JFMarin JDMarin YRonquillo (patients benefit from their services)	service & research
Salceda, Salvador R. Ramirez, Rossina A.	Cornea Sub-Specialty Clinic	1993-Present	.	Dept. of Ophth., PGH		patients	.
Salceda, Salvador R. Valenton, Mario J. Dy-Liacco, Jacinto U. De Ocampo, Jr. P.V.	External Diseases Clinic	1993-Present	.	.		patients	.
	Retina & Vitreous Clinic	1993-1996	.	.		patients	.
Agulto, Manuel B.	Glaucoma Clinic	1993-Present	.	.		patients	.
Sison, Wilfredo M.	Motility Clinic	1993-Present	.	.		patients	.
Noche, Rosie R.	Uveitis Clinic	1993-Present	.	.		patients	.
Ronquillo, Yasmyne C.	Ophthalmic Pathology	1993-Present	.	.		patients	.
Ramirez, Rossina A.	Epidemiology & Biostatistics	1993-Present	.	Mla. Doctors Hospital		medical students	.

Name of Faculty Staff*	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Fnding	No. of Participants/Beneficiaries	Socio-Econ. Impact
Salceda, Salvador R. Ramirez, Rossina A. Dy-Liacco, Jacinto U. Agulto, Manuel B. Ronquillo, Yasmyne C. Marin, Jesus F. Noche, Rosie R. Ramirez, Rossina A.	Examiners- Anterior Segment	1993-Present	*	Phil.Board of Ophth.		ophthalmo-logists	service
	Examiners - Posterior Segment	1993-Present	*	PBO		*	*
	Tech. Assistance & Advisory Services(for Committee on Graduate Program)	1993 -Present	*	Committee on Research, Implementation & Dev.(CRID, College of Medicine)		UP Manila CM	research
Santos, Evangeline O.	Tech. Assistance & Advisory Services (for Committee onCommunity-based Programs	1993-Present	*				
Ramirez, Rossina A. Ronquillo, Yasmyne C.	Associate Editor Assistant Editor Editorial Editor	1993-Present	*	Phil. Journal of Ophth.		ophthalmo-logists/med-ical students	research
Salceda, Salvador R. Salceda, Salvador R.	Task Force on National Health Policy	1993-Present	*	Dept. of Health		patients	research & service
Santos, Evangeline O.	Consultancy: Prevention on Blindness Program		*				*
Salceda, Salvador R.	Consultancy - Prevention on Blindness Program Public Health Ophth. & Eye Care Course	1993-Present	*	World Health Organization		medical stuents, ophthalmologists, patients	*
Salceda, Salvador R	Faculty Consultancy	1995		Phil. Senate Committee on Health		national health policy makers	national health

Name of Faculty Staff*	Name of Extension Project	Year Started	Project Status**	Source of Funding	Amount of Fnding	No. of Participants/Beneficiaries	Socio-Econ. Impact
Salceda, Salvador R. Dy-Liacco, J.U.	VP & Member, Bd. of Trustee	1995-Present		Sta.Lucia Eye Bank of the Phils., an Affiliate of the Intl. Eye Bank		recipients of corneal transplantation	service & research
Marin, Jesus F. Marin, Jose D.F.	Consultancy Program	1993-Present	*	Dr. J.Reyes Memorial Hospital		patients & medical students	research & service
Marin, Jesus F. Marin, Jose D.F.	Consultancy Program	1993-Present	*	Ospital ng Makati		*	*
Santos, Evangeline O.	Integrated Eye Care Services Program Manager	1993-Present	*	Helen Keller Int'l. Christofel		patients & ophthalmologists	service & research
	Consultancy Program	1994-Present		Bl.Mission College of Public Health		patients public health students	service & research
	Occupational Health Lecturer	1994-Present					contg. education
Salceda, Salvador R. Ramirez, Rossina A. Marin, Jose D.F. Marin, Jesus F.	Consultancy - Sight First Program & Tulong Mula sa Puso Program	1993-Present	*	Lions Club Int'l.		patients (indigent)	service & research
Ramirez, Rossina A.	Consultancy & Program Coordinator-Sight Restoration in the Phils.	1993-Present	*	Impact, UK thru Impact, Phils.		patients	service & research
Marin, Jose D.F.	Consultancy Program	1993-Present	*	Dept. of Oph.,MCU		patients	service & research
Nievera, Lilia F.C.	Consultancy Program	1993-Present	*	College of Nsg.,CEU		nursing students	education
Nievera, Lila F.C.	Consultancy Program	1993-Present	*	Dept. of Oph.,East Ave.Med Center		residents	contg.education

Appendix 6A

Staff Complement (1993-1998)

Unit	1993	1994	1995	1996	1997	1998
PGH	3,353	3,445	3,377	3,538	3,683	3,733
CAD	85	88	94	122	135	120
CAMP	25	24	22	29	33	33
CAS	101	110	112	145	151	138
CD	40	42	41	51	54	55
CM	289	302	301	355	357	385
CN	25	28	25	36	37	35
CP	25	29	30	37	38	35
CPH	90	96	92	100	115	104
IO	21	23	20	30	28	29
ISBMR			2	2	2	2
NTTC	9	11	10	13	15	11
SHS	24	25	28	34	33	32
UL	20	22	24	32	30	28
TOTAL	4,107	4,245	4,178	4,524	4,711	4,720

Appendix 6B List of Cultural Activities

1993

Jazz Lecture-Concert - "Hello, Jazz"

UP Majam
August 12, 1993, 4:00-6:00 PM
CAS Little Theater

Tao Rin Pala

December 10, 1993
Philamlife Auditorium

Bulagaan

December 10, 1993
Sponsored by UP Pharmaceutical Assoc.

Himig Pasko

December 14, 1993
Sponsored by the USC and UPM Christmas Committee

1994

Culture Month

Theme: Indigenous Culture and National Identity
February 1-28, 1994
Sponsored by the different colleges and units of UPM

Culture Month

February 1994
Sponsored by the Dept. of Arts and Communication, CAS

Cultural Night in Honor of Pres. Emil Q. Javier

June 14, 1994
CCP
Featuring the talents of UP Manila

Variety Show:

Beware of AIDS

Be AIDS Aware

July 22, 1994
Sponsored by Pi Sigma Delta Sorority

Environmental Awareness and Action Variety Show

July 29, 1994
Sponsored by Pi Sigma Delta Sorority

Tao Rin Pala

December 2, 1994
Sponsored by UP Medical Students' Society

Bulagaan

December 5, 1994
Sponsored by UP Pharmaceutical Assoc.

Dance Concert

UP Indayog
December 10, 1994

Christmas Presentation of Cultural Groups

December 13, 1994

1995

Inaugural Concert

UP Chamber Orchestra
September 21, 1995, 7:00 PM
University Theater

Tao Rin Pala

December 1, 1995
Philamlife Auditorium

Bulagaan

December 8, 1995
CAS Little Theater

1996

Cultural Exhibit: Rebolusyon Arte

January 4, 1996
PGH Lobby

Culture Month

February 1996
Sponsored by CAS

Christmas Gala 1996

UP Manila Chorale
December 7, 1996
University Theater

1997

Si Elvis, ang Beatles, atbp.

November
Philamlife Auditorium
Featuring the UP Manila Chorale in its third major concert. Mr. Allan

Puno,
Musical Director

Culture Month

February 13-28, 1997
Sponsored by CAS

Cultural Nights: "Bolipata Brothers"

June 10, 1997
Philamlife Auditorium
Featuring the Bolipata Brothers
Welcome concert for the freshmen

Tao Rin Pala

December 5
Philamlife Auditorium
Featuring the talents of UP Manila

1998

Mga Tula at Awit ng Pag-ibig sa Panahon ng Paghihimagsik

February 11
Lobby, National Institutes of Health, UP Manila
Featuring UP Manila students, faculty and staff artists, the UP Manila faculty and staff choir, and UP Manila sign group
Repertoire divided in 3 parts: Pag-ibig sa anak, Pag-ibig sa kasintahan, Pag-ibig sa bayan

Mula Duyan hanggang Digmaan: Mga Himig at Sayaw ng Pagpupugay sa Kababaihan

March 11
Lobby, National Institutes of Health, UP Manila
Featuring the UP Manila Folklorika, Sayaw-Bathala, UP Manila Gandingan
Co-sponsored by the College of Nursing
Repertoire divided in 3 parts: Tahanan, Komunidad, Bansa
Saya at Kapangyarihan

March 11

Seminar Room, College of Nursing Building
Prof. Arnold Esguerra
Co-sponsored by the College of Nursing

Bai: Isang Etniko-linguistikong Paglalakbay sa Kamalayang Filipino

March 19

Lecture Room, College of Arts and Sciences Building
Prof. Grace Odal
Co-sponsored by the College of Nursing

UP Manila Chorale Love Concert

March 19

Basic Science Lecture Room, College of Medicine
Featuring the UP Manila Chorale. Mr. Allan Puno, musical director

Go the Distance

April

Philamlife Auditorium
Featuring the UP Manila Chorale in its fourth major concert. Mr. Allan Puno,
Musical director

First European Concert Tour

April 24-June 1998

Featuring the UP Manila Chorale. Mr. Allan Puno, musical director

Mga Munting Pagtatanghal ng Ilang Grupong Pangkultura ng UP Manila

June 18, 1998, 4:00 P.M.

PGH Quadrangle
Featuring Anak-Tibawan, Chamber Orchestra, Folklorika, Gandingan,
Indayog,
Malikhaing Pagsenyas, Pangkat Rondalla, PGH Nurses' Association
Dance Troupe, Rock Band, Sayaw-Bathala

Centennial Lakbay-Aral

Tour of Aguinaldo Shrine and Guillermo Beringuer delos Reyes
Museum
July 19, 1998
Cavite

Bulagaan

December

Sponsored by the UP Pharmaceutical Association, College of
Pharmacy

1999

Culture Week

February 22-26, 1999

Feb. 23 - Philarts Variety Show

Feb. 24 - Manila Chamber Orchestra Concert

Feb. 26 - PAG YEAR 8 (Poetry Reading)

Feb. 26 - Orcom Paligsahan ng Musika

Sponsored by the Dept. of Arts and Communications' faculty and
Orcom and

Philarts majors, College of Arts and Sciences

Featuring a special concert of the Manila Chamber Orchestra (String
Quartet),
CAS Little Theater

Santacruzán '99

May 7, 1999

Sponsored by the Philippine General Hospital

Si-Mu-Law (Sining, Musika at Galaw)

March 12, 1999

Co-sponsored by the CPH Student Council
Featuring the Public Health Artists' Circle

Appendix 6C List of Awardees

1993

UP ALUMNI ASSOCIATION AWARDEES

Dr. Emilio Bulatao
Dr. Conrado Dayrit
Dr. Paulo Campos
Dr. Fe dei Mundo
Dr. Geminiano de Ocampo
Dr. Juan FlavieR
Dr. Francisco Dy
Dr. Januarío Estrada
Dr. Juan Salcedo
Dr. Perla Santos Ocampo
Dr. Julita Sotejo
Dr. Victor Sevilla
Dr. Pedro Lantin
Dr. Candido Africa
Dr. Frank Co Tui

1994

Dr. Juanita Yadao
Professional Award in Medicine

Ms. Lydia Palaypay
Professional Award in Nursing

Dr. Siopin Co
Professional Award in Pharmacy

Dr. Guillermo Juliano
Professional Award in Dentistry

COLLEGE ALUMNI ASSOCIATION AWARDEES

CAS
Ms. Zenaida Manalo
Atty. Rafael Lagos
Dr. Reynaldo Ang

CN
Prof. Betty Factora Merritt
Prof. Lupe Abarquez
UPCN Class 67
Ms. Stella Gonzales
Ms. Katherine Jennifer Angeles
Ms. Soledad Salvador Grino
Ms. Noemi Marcos Chavez
Ms. Rosalinda Pangilinan-Roque
Ms. Corazon Villaflor Dominguez
Ms. Consuelo Gomez-Arabit

CPH
Dr. Gloria Alcantara
Dr. Filipina Sabado Villa
Dr. Emma Robles
Dr. Victoria Valdez
Dr. Rebecca Infantado
Dr. Jaime Galvez Tan

UP Medical Alumni Society (UPMAS) Awardees

Dr. Manuel Chua-Chiaco
Most Distinguished Alumnus

Dr. Horacio Estrada
Most Outstanding Educator

Dr. Adriano Laudico
Most Outstanding Researcher

Dr. Leandro Uyguanco
Community Service Award

Lopez Family
Most Distinguished Family of the Year

UP Medical Alumni Society in America (UPMASA) Awardees

Dr. Maria Chanco-Turner
Outstanding Overseas Alumna

Dr. Romulo Baltazar
Outstanding Overseas Educator

Dr. Wilfredo Feliciano
Outstanding Overseas Service Awardee

Dr. Renato Mascarado
Outstanding Overseas Researcher

1995

Dr. Perla Santos Ocampo
First Ihsan Dogramaci Award for Outstanding Contributions to Pediatric Education

Edna and Robert Lagholz International Nutrition Award for 199__
Zonta National Award for the Health Professions

Dr. Letty Kuan
Metrobank Foundation's Most Outstanding Teacher for the National Capital Region

Dr. Cynthia Dominguez
The Ten Outstanding Women in the Nation's Service Awardee

Dr. Carmencita Padilla
The Outstanding Young Men Awardee for Medicine

Dr. Julius Lecciones
The Outstanding Young Men Awardee for Medicine

Dr. Mildred Oliveros
Most Outstanding Researcher for 1995

Mr. Rainier Escalada
Ten Outstanding Students by the RFM and Dept. of Education, Culture and Sports

Prof. Ricardo de Ungria
National Book Award by the Manila Critics Circle

Prof. Roland Simbulan
Bayaning Pilipino Award for the National Capital Region - ABS-CBN

Dr. Rafael Bundoc
Phil. Talent Search for Young Scientists - NAST

Dr. Armand Crisostomo
Outstanding Young Scientists Award for Pulmonary Physiology- NAST

Dr. Abundio Balgos

Outstanding Young Scientists Award for Medicine and Surgery

Ms. Deogracia Valderrama
Lingkod Bayan Awardee - Civil Service Commission

Dr. Gilbert Yang
Dangal ng Bayan Awardee - Civil Service Commission

Dr. Juan Quejada
Professional Award in Dentistry by the Professional Regulation Commission

Dr. Augusto Litonjua
UPM Most Outstanding Teacher

Dr. Ernesto Domingo
UPM Most Outstanding Researcher

Prof. Ma. Lucia Magallona
UPM Most Outstanding Extension Worker
Rosvida Rosal
UPM Most Outstanding REPS

Miladilla Santiago
UPM Most Outstanding Administrator

Nestor Glinogo
UPM Most Outstanding Employee

Ma. Justina Bautista
UPM Most Outstanding Student

Mu Sigma Phi Fraternity, Inc. and Mu Sigma Phi Sorority
UPM Most Outstanding Student Organization

Dr. Walter Francis K. Torres
UPM Most Outstanding Athlete

Dr. Mario de Villa
UPM Natatanging Pahinungod

Department of Surgery, PGH
UPM Natatanging Departamentong Pahinungod

Pi Sigma Delta Sorority
UPM Natatanging Organisasyon ng Mag-aaral na Pahinungod

DISTINGUISHED ALUMNI

Dr. Thelma Navarette-Clemente
Professional Award in Medicine

Dr. Celso Bunag
Professional Award in Dentistry

Ms. Erlinda Ortin
Professional Award in Nursing

Dr. Manuel Roxas
Professional Award in Public Health

Dr. Magdalena Cantoria
Professional Award in Pharmacy

Dr. Aurora Yapchiongco
Most Outstanding Alumni for 1995

COLLEGE ALUMNI ASSOCIATION AWARDEES

Prof. Cynthia Isaac
CAMP Most Outstanding Alumna Award

Prof. Susan B. Villegas

Ms. Bernadette Reyes

Prof. Ma. Lucia Magallona

CAMP Alumni Special Award

Prof. Ma. Concepcion Cabatan

Mr. Mario Imsan

Prof. Fernando Alejandro Ligot

Prof. Teresita Mendoza

Prof. Jesusa Roxas

CAMP Service Award

Atty. Arno Sanidad

CAS Human Rights and Public Interest Law

Mr. Albert Eugenio Macalintal

CAS Government Service

Mayor Jinggoy Ejercito Estrada

CAS Local Government Administration

Ms. Nelia Hizon

PGH School of Nursing

Outstanding Alumna in Nursing Practice

Ms. Eufemia Octaviano

PGH School of Nursing

Outstanding Alumna in Nursing Education

Ms. Rhodora Apolinario

PGH School of Nursing

Service to the Alumni Award

Ms. Josefina Gutierrez

PGH School of Nursing

Outstanding Alumna in Community Service

Ms. Remia Paduga

PGH School of Nursing

Outstanding Graduate for 1995

Ms. Lydia Venzon

PGH School of Nursing

Florence Nightingale Medalist

Dr. Luciano Sotto

Most Distinguished Alumnus

Dr. Natividad Puertollano

Outstanding Alumna for Research

Dr. Joanie Dy-Sycip

Outstanding Alumna for Community Service

Dr. Pedro Solis

Outstanding Alumnus for Medical Education

Dr. Anatolio Cruz, Jr.

Outstanding Overseas Educator

Dr. Ponciano Cruz, Jr.

Outstanding Overseas Researcher

Class 1955

Most Outstanding Class

1996

Dr. Veronica Chan

Academician by the NAST

Dr. Xenia Tigno

Metrobank Foundation's Most Outstanding Teacher for the National Capital Region

Dr. Arturo Pesigan

The Outstanding Young Filipinos

Dr. Rafael Bundoc

The Outstanding Young Filipinos

Prof. Leticia Barbara Gutierrez

National Research Council of the Phils.

Achievement Award DOST-Tuklas Talino Award

Dr. Natividad de Castro

DOST Tuklas Talino Award

Dr. Perla Santos Ocampo

Phil. Medical Association Distinguished Service Award

Prof. Ricardo de Ungria

National Anthology Book Award

Manila Critics Circle

Dr. Isidro Sia

NAST Outstanding Published Scientific Papers Category

Dr. Veronica Chan

NAST Outstanding Published Paper

Dr. Josie Rogacion

Dr. Tessa Tan Torres-Edejer

Dr. Eduardo Lim

NAST Outstanding Young Scientists

Dr. Carmelita Domingo

Dr. Lorna Abad

Dr. Sioksoan Chan-Cua

Dr. Sylvia Estrada

Dr. Joseph Pua

Dr. Carol Teodoro

Dr. Virginia Crisostomo

NAST Best Poster

Health Science Category

UPMAS Awardees

Dr. Julita Ramos-Jalbuena

Professional Award in Medicine

Dr. Avelino Macasaet

Professional Award in Dentistry

Dr. Teodora Tiglao

Professional Award in Rehabilitation

Prof. Leticia Barbara Gutierrez

Professional Award in Pharmacy

Ms. Deogracia Valderrama

Professional Award in Nursing

Dr. Raquel Fortun

Special Recognition Award

Prof. Araceli Balabagno

UPM Most Outstanding Teacher

Dr. Benigno Agbayani, Sr.

UPM Most Outstanding Researcher

Dr. Alfonso Doloroso

Most Outstanding Extension Worker

Dr. Letty Kuan

Most Outstanding Alumna

Senator Orlando Mercado

Most Outstanding Alumnus

Ms. Jesusa Besido

Most Outstanding Employee

Ms. Preciosa Coloma
Most Outstanding Student

Ms. Ma. Beatriz Lucero
Most Outstanding Athlete

Ms. Edna Tiongzon
Most Outstanding Research, Extension and Professional Staff

Mr. Antonio Quan
Most Outstanding Employee

Prof. Arnulfo Esguerra
Most Outstanding Artist

Mr. Janvier Gabuna
Most Outstanding Pahinungod

Mu Sigma Phi Sorority
Most Outstanding Student Organization

1997

College of Nursing
*Center of Excellence in Nursing Education
by the Commission on Higher Education*

College of Medicine
*Center of Excellence in Medical Education
by CHED*

College of Allied Medical Professions
*Bronze Award, Health Action Management
Information System, DOH*

Dr. Perla D. Santos Ocampo
*Saint Brother Miguel Fabros Cordero
Medal by De La Salle University
Outstanding Professional for Medicine by the Professional Regulation
Board
Golden Honoree for Child Advocacy Programs and Internal
Networking by the Philippine Pediatric Society*

Achievement Award, Dagupan City National High School

Dr. Tessa Tan Torres-Edejer
The Outstanding Young Filipinos (TOYF)

Dr. Edward Wang
*Outstanding Young Scientist Award
National Academy of Science and Technology (NAST)*

Dr. Antonio Dans
Outstanding Young Scientist Award (NAST)

UP Manila Chorale
*Grand Prize
Cantar Villamicos*

UP Manila Debate Circle
Finalist, Metro Pacific Challenge

Prof. Ricardo de Ungria
*National Book Award for Poetry
(Body English)*

Prof. Laurie Ramiro
Most Outstanding Faculty of CAS

AWARDEES OF THE UP ALUMNI ASSOCIATION

Prof. Thelma Corcega

Professional Award in Nursing

Dr. Natividad Gervasio

Professional Award in Dentistry

Dr. Dennis Batangan

Professional Award in Public Health

Ms. Catalina Cruz- Sanches

Professional Award in Pharmacy

Ms. Norma Camesa-Espiritu

UPAA Service Award

Dr. Edward Vincent S. Faustino

*The Outstanding Students of the Philippines (TOSP)
Outstanding Graduate Award*

AWARDEES OF THE UP MANILA ALUMNI ASSOCIATION

Ms. Consuelo G. Arabit

Outstanding Professional in Nursing

Dr. Felipe Estrella

Outstanding Professional in Dentistry

Dr. Carmencita S. Loyola

Outstanding Professional in Public Health

Prof. Bernadette M. Reyes

Outstanding Professional in Physical Therapy

AWARDEES OF THE UP MANILA FOUNDATION CELEBRATION

Dr. Felipe Estrella

Natatanging Gawad Paglilingkod

Dr. Andrew D. Dimacali

Most Outstanding Teacher

Dr. Mary Ann Lansang

Most Outstanding Researcher

Prof. Brigette Lao-Nario

Most Outstanding Extension Worker

Dean Barbara Leticia B. Gutierrez

Most Outstanding Alumna

Dr. Nestor S. Bautista

Most Outstanding Artist

Ms. Lilibeth T. Eusebio

Most Outstanding Research, Extension and Professional Staff (REPS)

Dr. Edward Vincent Faustino

Most Outstanding Student

Ms. Ester Gatchalian

Ms. Lucia Juguan

Most Outstanding Supervisors

Ms. Glenda Tubay

Ms. Jesus Sulla

Mr. Pedro D. Degala

Most Outstanding Employees

Mu Sigma Phi Sorority
Most Outstanding Student Organization

Ms. Avegail Nuestro
Most Outstanding Athlete

OTHER AWARDEES

Dr. Amelia R. Fernandez
PPS Golden Honoree for Computerization of PPS Society Membership List

Dr. Luis M. Mabilangan
PPS Golden Honoree for the Establishment of Nurseries and Initiation of Residency Training Programs

Dr. Carmelo A. Alfiler
PPS Golden Honoree for the Promotion of Camaraderie through Cultural Projects

Dr. Vicente Belizario, Jr.
Raul J. Rivas Memorial Award for Research in Philippine Medicine

Dr. Vicente Belizario, Jr.

Dr. Theresita Lariosa

Dr. Arturo Pesigan

Philippine Medical Association (PMA) Award for PMA-Abbott Research Contest, 3rd place

Dr. Leticia Ibanez
Dr. Augusto P. Camara UP Medicine Fund for Academic Excellence

Dr. Coralie Therese Dioquino-Dimacali
Outstanding Teacher for Clinical Sciences
UPMASA Missouri Illinois Chapter

Dr. Merle F. Dela Cruz Odi
President, Asian Oceanic Society of Regional Anaesthesia

Ms. Ma. Dulce Solomo
First Prize, Gruppo Medica Award for the Most Outstanding Research on Herbal Medicine

Jacqueline Leonor
Third Place, Gruppo Medica Award for the Most Outstanding Research on Herbal Medicine

Dr. Ernesto Uichanco
Dr. Mario Festin
PMA Raul Rival Research Awards

Dr. Aurora Yapchiongco
Julita V. Sotejo Medallion of Honor
UP Nursing Alumni Association International

UP MEDICAL ALUMNI SOCIETY AWARDEES

Dr. Alendry Caviles
Most Outstanding Alumnus

Dr. Ruben Bunag
Outstanding Overseas Alumnus

Dr. Roel A.P. Romero
Outstanding Educator

Dr. MacArthur Elayda
Outstanding Overseas Researcher

Dr. Edward H.M. Wang
Outstanding Researcher

Dr. Jose Peczon

Community Service Award

Dr. Dennis Labayen

Dr. Lorna S. Labayen

Distinguished Community Service

Dr. Estrella Gonzaga

Distinguished Community Service

UP Medicine Class of 1956

Outstanding Class

Dr. Augusto Camara and Family

Alumnus Family

1998

UP Manila

Cawad Kalinga Award and Most Employee Friendly

Employer (State Universities and Colleges)

Civil Service Commission

Dr. Perla D. Santos Ocampo

Filipina First Awardee

Philippine American Foundation

The Outstanding Filipino Awardee in Medicine

Philippine Jaycee Senate and Insular Life

Dr. Jose Dualan and Family

First Recipient, Distinguished Professorial Chair in Medicine

Dr. Arturo Pesigan

Ten Outstanding Young Persons of the World

Junior Chamber International

Dr. Maridel P. Borja

Ruth F. Richard Outstanding Student Award

University of California in Los Angeles

Dr. Edward Wang

Dr. Mario Festin

The Outstanding Young Filipinos Philippine Jaycees

Dr. Isidro C. Sia

Quezon Medalya ng Karangalan sa Medisina

Dr. Natividad De Castro

Outstanding Pharmacy Educator

Philippine Pharmacy Association National Convention

Prof. Susan Villegas

Most Outstanding Professional of the Year in Occupational Therapy

Philippine Federation of Professional Associations

Dr. Manuel Macapinlac

Lifetime Achievement Awardee

National Research Council of the Phils. (NRCP)

Dr. Mildred Balbin-Oliveros

Lifetime Achievement Awardee

National Research Council of the Phils. (NRCP)

Member, Executive Committee

WHO Global Network

Dr. Rafael C. Bundoc

1998 Recipient, Crisostomo B. and Cristina C. Garcia

Award for Excellence

Dr. Jaime Montoya

Dr. Mario Festin

Outstanding Young Scientists Awardee

Dr. Alendry P. Caviles

*Most Distinguished Teacher
Philippine College of Physicians (PCP)*

Dr. Leonora C. Fernandez

Outstanding Researcher, PCP

Mrs. Rosvida Rosal

*Most Outstanding Academic Librarian
Philippine Association of Academic Research Librarians*

Dr. Edward Vincent Faustino

Ten Outstanding Students of the Philippines

Dr. Rolio Villareal

Henry D. Mcintosh Award

UP Manila Chorale

*Second Place, Folkloric Category
3rd International Solzkammergut Choral Competition in Bad Ischi,
Australia
Cantar Villamcicos*

Prof. Benjamin Mangubat

*3rd Place, Centennial Literary Contest
(Screenplay Category)
National Centennial Commission (NCC)*

Prof. Ronaldo B. Mactal

*Honorable Mention (Sanaysay Category)
Centennial Literary Contest, NCC*

Awardees of the Philippine Regulation Commission

*College of Medicine, College of Pharmacy,
College of Dentistry, College of Nursing
Excellent Performance in Licensure Exams*

Prof. Leticia Barbara-Gutierrez

Outstanding Professional in the Field of Pharmacy

Dr. Letty Kuan

Outstanding Professional in the Field of Nursing

Prof. Cynthia Isaac

Outstanding Professional in the Field of Occupational Therapy

Awardees of the UP Alumni Association

Dr. Carmencita Padilla

*Community Service Awards
National Level*

Dr. Jaime Galvez-Tan

Dr. Eddie Dorotan
*Community Service Awards
Luzon*

Dr. Lorenzo B. Principe

*Community Service Awards
Mindanao*

Prof. Lucia Magallona

Outstanding Award for Allied Medical Professions

Dr. Jose V. Francisco

Outstanding Award for Dentistry

Dr. Salvador Salceda

Outstanding Award for Medicine

Dr. Mayvelyn D. Gose

Outstanding Award for Nursing

Dr. William D. Torres
Outstanding Award for Pharmacy

Dr. Benjamin Rigor
Outstanding for Public Health

Dr. Augusto Camara
Lifetime Distinguished Award

Dr. Edward Vincent Faustino
UP Outstanding Graduate of 1997
Awardees of UP Manila during its Foundation Celebration

Dr. Teodora V. Tiglao
Natatanging Gawad Parangal

Dr. Marilou Nicolas
Outstanding Faculty

Dr. Natividad F. de Castro
Outstanding Researcher
Prof. Nymia Pimentel-Simbulan
Outstanding Extension Worker

Dr. Amelia Fernandez
Outstanding Alumna

Pediatric Gastroenterology and Nutrition Section
Department of Pediatrics, PGH-CM
Outstanding Research Group

Prof. Ricardo M. de Ungria
Outstanding Artist

Ms. Lolita L. Cavinta
Outstanding Research, Extension and Professional Staff

Ms. Betty Beatriz D. Flores
Outstanding Supervisor

Ms. Aurora S. Manlolo
Outstanding Employee

Ms. Marian F. Manankil
Dr. Romeo Angelo de Claro
Outstanding Students

Ms. Bernardita Gamallo
Outstanding Athlete

Pangalusugang Samahan ng Mag-aaral
Outstanding Student Organization

Awardees of the UP Medical Alumni Society

Dr. Alberto Romualdez
Most Distinguished Alumnus
Dr. Juanito Bartolome
Distinguished Alumnus (Overseas)

Dr. Ricardo Alfonso
Outstanding Educator

Dr. Paul Fontelo
Outstanding Educator (Overseas)

Dr. Lourdes Ignacio
Outstanding Researcher

Dr. Edgardo J.C. Angtuaco
Dr. Teresita L. Angtuaco
Outstanding Researcher (Overseas)

Dr. Fe Abarcar-de los Reyes
Outstanding Community Service

Dr. Jose Pamintuan
Outstanding Service Award (Overseas)

Class 1952
Most Distinguished Class of the Year

**Awardees of the Philippine Obstetrical and
Gynecological Society's Annual Convention and 52nd Anniversary**

Dr. Florante P. Gonzaga
Baldomero Roxas Awardee for Academic Excellence

Dr. Felipe A. Estrella, Jr.
Ramon Lopez Awardee for Community Service

Dr. Virgilio R. Oblepias
Honoraria Acosta-Sison Awardee for Research

Dr. Ricardo M. Manalastas, Jr.
Outstanding Young Research Awardee

Research Awards

**National Poison Control and Information Service
Malaria Study Group**
PCHRD 1998 Outstanding Health Research Award

Department of Internal Medicine-PGH
*1st Prize, Fourth Philippine College of Physicians-Parke Davis Inter-H
Hospital Quiz Contest*
PCP Annual Convention

Dr. Ma. Rosanna de Guzman
2nd prize, Community Research Competition
Annual Medical Convention of the Manila Medical Society

**Preformulation Studies on the Lyophilized
Extract of Orthosiphon aristatus (BL) Miq**
Ricardo Obusan and Teresa Espinosa
1997 PCHRD-PHAP Student Research Award

**Ms. Madonna B. Tayco
And Mr. Noel S. Quiming**
(1st and 3rd prize)
Gruppo-Medica Award for Outstanding Research in Herbal Medicine

Winners in the Inventors-Innovators Fair

Modified Closed Circuit TV Unit for Lowvision Patients
Dr. Richard C. Kho, Dept. of Ophthalmology, PGH
First Prize
**Modified Micro Particle Agglutination for Screening Antibodies for
Hepatitis C Virus**
*Dr. Ernesto O. Domingo, Dr. Eduardo C. Lim, Dr. Mary Ann
Lansang*
Second Prize

Modified Cervical Immobilization Device
*Dr. Teodoro Herbosa, Dr. Ireneo Regudo-Punzalan,
Dr. Agosto Teodoro, Jr.*
Third prize
(Screenplay Category)
National Centennial Commission (NCC)

1999

Awardees for UP Manila Foundation

Dr. Nelia Cortes-Maramba
Most Outstanding Teacher

Dr. Corazon A. Ngelangel
Most Outstanding Researcher

Ear Study Group
Most Outstanding Research Group

Prof. Roland Simbulan
Most Outstanding Extension Worker

Prof. Grace Odal
Most Outstanding Artist

Ms. Clarita Chavez
Most Outstanding REPS

Mr. Tito Molina, Jr.
Mrs. Reynalda Lopido
Most Outstanding Employee

Mr. Fernando Makalinao
Most Outstanding Student

PI Sigma Fraternity
Most Outstanding Student Organization

Ma. Ma. Bernardita R. Gamallo
Most Outstanding Athlete

Appendix 8

List of UP-PGH Infrastructure Projects

PROJECT TITLE	PROJECT STATUS	AMOUNT
1993		
Rehabilitation Projects		
• Social Hall, Nurses Home	completed	339854.45
• CT Scan, Ground Floor RCB	completed	305000.00
• 6th Floor, LCB and RCB	completed	96950.00
• Building Joint Between CB and South Wing Building at Nursing Research 2/F	completed	16575.00
• 7th Floor, RCB and LCB	completed	194246.53
• Comfort Room at GIC	completed	30746.42
• Plumbing Line and Waterproofing of Toilets at Purchasing Division	completed	44109.56
Renovation Projects		
• Oets	completed	202981.00
• Security Guard House	completed	285000.00
• Steel Windows at 4 Quadrants Ans installation of Aluminum Expanded Wire Mesh at Patient Rooms, CI 2/F	completed	308651.80
• Medical Social Services	completed	339500.00
• Works at Pay Admitting Section	completed	94108.78
Fabrication Projects		
• Wooden Enclosure at Radiology Department, OPD	completed	10800.00
• Cart / Cabinets at Trauma Ward	completed	55481.01
• Hanging Cabinets at Medical Research Laboratories, 2 Fir LCB	completed	20500.00

PROJECT TITLE	PROJECT STATUS	AMOUNT
• Ceiling Boards, Counter at Cash Services Division and Slip Shelves at Billing Section	completed	35657.00
• Scale Model of PGH Buildings	completed	70150.00
• 44 Lockers of RCB, 5 Flr CB	completed	39900.00
• Cabinet at Ward 6 office	completed	10950.00
• Additional Lockers at Zconsultant's Dressing Room, RCB OR	completed	10950.00
1993		
• Cabinets at The office of infectious Disease Section, 2nd ERC	completed	41900.00
• Eleven Open Shelves / Cabinets at Store Room, Pay Patients 5th Floor CB	completed	70500.00
• Fumehood at RAI Laboratory	completed	29500.00
Repainting Projects		
• Exterior and interior of Four Quadrants	completed	1776841.92
• Exterior and interior of CB Building	completed	3564792.00
• Pharmacy Building	completed	243838.76
• Nurses Counter and Main Station at LCB II, Substation of RCB I, II, and LCB II, Pay Patients, 4th Floor CB Building	completed	17551.38
Installation Projects		
• Brass Nosing of Stairs at Nurse's Home	completed	96850.00
• Woodenpartition With Glass Panel at TCVS, 3rd Floor RCB	completed	12500.00
Extension Projects		
• Auxillary Canteen	completed	77869.57
Placement Projects		
• Vinyl Tiles at GIC, G/F Old OR Bldg.	completed	28500.00
• Vigan Tiles On An Open Area Beside Nursing Department	completed	99000.00
Miscellaneous Projects		

PROJECT TITLE	PROJECT STATUS	AMOUNT
• Resloping of 2 Elevators Pits and Fabrication of Steel Gate at Hallway Near Personnel and Budget Division	completed	48450.00
• Reconstruction of Storage Area for Condemned Materials/Equipments Beside Dorm 3	completed	821671.32
• Construction of Basketball Court in front of Dorm 3	completed	255949.62
• Replacement of Ceiling Boards at CVS G/F	completed	12500.00
• Provision of Viewing Glass and installation of Shower at PICU 2nd Flr CB	completed	44550.00
• Expansion and Renovation of Surgical intensive Care Unit, 2/F RFW	completed	94990.00
• Provision of 2 Units Wall Fans and 3 Windows	completed	38350.00
1993		
• Construction of Covered Walk With Fiberglass Roff at New OPD	completed	601757.00
• Repair of Kitchen Counter / Cabinets and Fabrication at 1st and 2nd Quadrant	completed	296900.00
• Replanning of Proposed Renal Unit at 6/F LCB	completed	335950.00
• Re-Upholstery of 32 Benches With Backrest, 18 Benches Without Backrest at OPD and Directors office	completed	41900.00
• Repair of Damaged Furniture and Replacement of Ceiling Boards at Surgical Lounge, 3/F LCB	completed	15054.72
• Additional Work at PICU, 2/F RCB	completed	43950.00
SUBTOTAL		11,223,727.84
1994		
• Renovation at Pay Admitting Section	completed	240450.00
• Replacement of Ceiling Board at Central EKG and Pulmonary Section G/F RCB	completed	112847.00
• Proposed ER Canteen Near Dorm 5	completed	784690.09
• Fabrication of 3 Lockers, 3 Hanging Cabinets and 1 Cautery Cart For Bum Unit 2/F	completed	73379.05
• Additional Works of Construction of Covered Walk With Fiberglass Roof at NOPD	completed	14000.00

PROJECT TITLE	PROJECT STATUS	YEAR
• Repair of Rehabilitation of Existing Counter Cabinets of Charity Wards, Phase I, Wards 9 and 16	completed	150000.00
• Proposed Extension of Radium Room at CI Building	completed	409000.00
• Rehabilitation of Comfort Room, Patient Wash Room and Plumbing System at DEMS ERC	completed	152050.00
• Proposed Pediatric Research Laboratory	completed	365000.00
• Renovation of Dietary Department G/F	completed	4709276.50
• Repair of Common Toilet at 2nd Floor of Cancer institute	completed	111650.00
• Fabrication of Wooden Counter at Family Medicine OPD	completed	18900.00
• Fabrication of Hanging Cabinet at Nurse's Chief office War 16	completed	13000.00
• Rescreening of Doors and Windows at Nurses Home and Dorm I	completed	71605.10
1994		
• Repair of Toilet at 2/F Left Wing Administrative Building	completed	72205.15
• Fabrication of 1 Accessory Push Cart at GIC	completed	8628.00
• Fabrication of Steel Fence at A Small Patch of Ground Nearby ADHO	completed	10982.00
• Re-Vinyl Floor Tiles of Nurse's Station at Ward 2	completed	12990.00
• Fabrication of Cabinet at Sliding Glass Doors at ORSA 3/F West Wing, CB	completed	72834.00
• installation of 6 Ceiling Fan at IPO2 Lobby and Provision of Glass Panel	completed	32000.00
• Construction of Oevrhang at DEMS PAS G/F	completed	7244.60
• Construction of Wooden Partition With Viewing Glass and Provision of Grill Door at Linen Manufacturing , PSD	completed	24872.35
• Provision of Aluminum Glass Swing Door With Stainless Sheet Both Facing at Main Door of Radiology Department	completed	39100.00
• Rehabilitation Works On Aircon Drainline and Drainage Line at 3/F CB	completed	52000.00
• Replacement of Worn-Out Door and Furnishing of Aluminum Screen	completed	40400.00

PROJECT TITLE	PROJECT STATUS	YEAR
• Rehabilitation of Counter Sink at Urology office and Comfort Room at Surgery office	completed	19000.00
• Fabrication of Cabinet and Counter at OR Pharmacy	completed	48300.00
• Proposed Bridge Between Old OR and Medical Social Service Building	completed	21950.00
• Rehabilitation of Anay infested Area	completed	187900.00
• Fabrication of Bookshelves and Lockers For Blood Bank 2/F LCW	completed	15172.30
• Fabrication of Mezzanine Rack at Pharmacy Ground RCB	completed	6113.00
• Replacement of Ceiling Boards and installation of Nailers at 1st and 2/F CB	completed	1424450.00
• Fabrication Works at Division of Nursing Education and Training 2/F West Wing	completed	173459.03
• Repair of Downspouts at Dietary Dept. Building PGH	completed	41809.82
1994		
• Provision of Drainage Lines at LCB and Central Service Care 6/F CB	completed	8988.80
• Additional Space Rooms at Dorm 1 and Nurse's Homes	completed	115502.00
• Fabrication Works and Conversion of Immunopathology Section To Histopathology Section	completed	78000.00
• Replacement of Worn-Out Screen Windows and Doors at Dorm 3, PGH	completed	90000.00
• installation of Aluminum Window Screen at Dietary Department	completed	52600.00
• Proposed interconnection of 100mm Dia Water Service Connection at OPD	completed	399500.00
• Fabrication Works at Proposed Pharmacy at Central ICU 2/F CB	completed	79584.00
• Replacement of Vinyl Tiles Flooring at LCB and Central EKG Room	completed	98588.00
• Rehabilitation of Downspouts and Gutter at Administrative Bldg., Four Quadrants	completed	30000.00
SUBTOTAL		10,490,020.79
1995		
• Proposed 2000 Gallons Stainless Steel Water Tank For Dietary Building	completed	148762.33

PROJECT TITLE	PROJECT STATUS	YEAR
• Installation of Steel Spiral Stair and Construction of Additional Mezzanine Floor at Accounting Division	completed	140000.00
• installation of 9 Units Exhaust System at Surgical Pathology Section and Immunopathology Section, Dept. of Lab.	completed	305000.00
• Additional Space/Rooms at Dorm 1 and Nurses Home	completed	pending
• Fabrication of Plant Box, Cabinets, Shelves, Counter and Triple Deck Bed and Rehabilitation at Xray, DEMS	completed	142000.00
• Rehabilitation of Common Toilet at New OPD	completed	262000.00
• installation of Window Grilles at Ward 10 and 16	completed	40000.00
• Additional installation of Computer Cable, Conduits including Necessary Peripherals and attachments For 2 Sections of Data Terminals at information Lobby and 7/F LCB	completed	17007.81
• Replacement of Ceiling at 1/F and 2/F CB	completed	1424450.00
1995		
• Proposed Extension of Medical Stockroom of Main Pharmacy, PGH	completed	394991.74
• Rehabilitation of Dietary Department G/F	completed	1327331.00
• Rehabilitation of Any infested Area PGH	completed	111259.90
• Replacement of Corrugated GI Roof at Nurses Home at Dept of Surgery	completed	114000.00
• Fabrication Works On Proposed Pharmacy at Central ICU, 2/F CB	completed	66596.53
• Proposed interconnection of 100mm Dia Water Service Connection at New OPD	completed	399500.00
SUBTOTAL		4,892,899.31
1996		
• installation of Window Grilles at Wards 4, 6, 12, and 14B	completed	94,500.00
SUBTOTAL		94,500.00

PROJECT TITLE	PROJECT STATUS	YEAR
1997		
• Construction of Proposed Two Storey Spine Unit Building at Service Wing, Dept. Orthopedics	completed	14,536,989.87
SUBTOTAL		14,536,989.87
1998		
• Proposed Extension and Fabrication Works at Satellite Pharmacy 5/F RCB	completed	376452.63
• Proposed Director's Cottage at The 8/F and 9/F CB	completed	639409.64
• Emergency Rehabilitation of The PGH Power Center	completed	9059809.20
SUBTOTAL		10,075,671.47
1999		
• Rehabilitation of Ground Floor, West Wing	completed	739685.05
• Repair of Centralized Garbage House and Provision of Mezzanine Floor	completed	442969.43
• Renovation of Comfort Rooms at Wards 9, and 11	completed	427828.00
• installation of New Stainless Duct System and One Unit Assembly Centrifugal Exhaust Fan For 2 Main Kitchen Hood, Dietary Department	completed	708815.07
• Renovation of The Dept. Medicine	completed	1111194.50
• Proposed Mezzanine at The Medical intensive Care Unit , Dept of Medicine	completed	1140000.000
SUBTOTAL		4,570,492.05
TOTAL		P55,884,301.33

Appendix 9A Infrastructure Projects For CY 1993-1999

PROJECT TITLE	COST (PESOS)	DATE OF COMPLETION
1993		
Central Administration Office		
Renovation Work at Chancellor's Office	818,479.70	Dec. 15/93
Various Repair Works at CAD	521,928.04	Dec. 26/93
College of Allied Medical Professions		
College of Arts and Sciences		
Renovation of Canteen	408,000.00	June 22/93
Fabrication of Cabinets and Ramps at Dept. of Social Sciences	20,272.00	April 12/93
College of Dentistry		
Construction of Generator House and Electrical Rewiring Works	150,880.00	June 11/93
Concreting of Driveway and Construction of Drainage	128,500.00	Aug. 26/93
College of Medicine		
Renovation Work: Phase I Animal House	97,985.75	Feb. 11/93
Renovation Work at Medical Annex II, Phase III	3,399,743.20	Dec. 7, 1993
Completion of Electrical Rewiring of CM Bldg.,	2,344,000.00	Feb. 25/93
College of Nursing		
College of Pharmacy		
College of Public Health		
Creche & Child Center		
Institute of Ophthalmology		
Renovation of Library	164,824.14	Sept. 7/93
National Institutes of Health Bldg.		
NTTC-HP		
School of Health Sciences		
Ugnayan ng Pahinungod Office		
University Library		
1994		
Central Administration Offices		

Fabrication of Cabinets at Office of Student Affairs	42,258.00	Oct. 24/94
College of Allied Medical Professions		
College of Arts and Sciences		
General Repair of Comfort Rooms at Phase I,II & Main Stair	1,286,670.73	Jan.14/94
Construction of Tambayan	137,730.00	June 13/94
Renovation of Equipment and Laboratory Rooms	221,500.00	Nov.28/94
Construction of Tambayan	137,730.00	June 13/94
Supply & Installation of Generator Set	319,000.00	Oct. 10/94
College of Dentistry		
Renovation of Dean's Office	51,366.12	Sept. 9/94
College of Medicine		
College of Nursing		
College of Pharmacy		
Re-roofing works at College of Pharmacy Bldg,	594,117.21	Dec. 15/94
College of Public Health		
Creche and Child Center		
Institute of Ophthalmology		
NIH Bldg.		
Renovation Works at the ISBMR Bldg., Phase I	15,095,000.00	March 29/94
NTTC-HP		
School of Health Sciences		
Ugnayan ng Pahinungod Office		
University Library		
Construction of 4-storey University Library Bldg.	5,645,317.50	Feb.7/94
Fabrication of Library Furnitures at First Floor	536,310.00	Nov. 10/94
Fabrication of Library Furnitures at Second Floor	449,780.00	Nov. 14/94
Fabrication of Library Furnitures at Third Floor	582,959.90	Dec. 2/94
Fabrication of Library Furnitures at Fourth Floor	596,480.00	Dec. 2/94
1996		
Central Administration Offices		
Renovation Works at CAD (8/F Central Block, PGH)	2,707,441.13	Jan. 16/96
Supply & Installation of Airconditioning units at CAD Offices (8/F PGH Central Block)	1,016,400.00	Feb. 28/96
College of Arts and Sciences		

Construction of CAS Annex Bldg.	35,950,000.00	March 29/96
Repainting of Classrooms	119,800.00	April 30/96
Renovation Laboratory Rooms at Dept. of Biology	119,800.00	May 15/96
Renovation of Computer Room	64,900.00	May 13/96
Supply & Installation of Window Glass Panes	14,500.00	Dec. 10/96
College of Dentistry		
College of Medicine		
College of Nursing		
College of Pharmacy		
College of Public Health		
Electrical Rewiring Works at 1st & 2nd floors	1,900,745.00	June 18/96
1997		
Central Administration Offices		
Renovation of UP Manila Legal Office	333,517.75	Dec. 23/97
Re-roofing works at UPM Main Bldg.,	2,498,000.00	Oct. 20/97
Supply & Installation of Airconditioning Units at Social Hall, 8/F PGH Central Block	380,853.02	Jan. 11/97
Landscaping Work at Roofdeck, Areas I & II 8/f	67,500.00	Feb. 27/97
College of Allied Medical Professions		
Repainting Works at CAMP Bldg.	145,185.00	Jan. 17/97
College of Arts and Sciences		
Repainting Little Theater, Rooms 303 & 313	64,800.00	May 14/97
Waterproofing of Roofdeck	31,500.00	July 15/97
Interior Repainting of Rizal Hall	516,892.25	Dec. 15/97
Fabrication & Installation of Manual Mechanical Traveller Curtain Track Mechanism & Re-Sewing o	94,444.20	Aug. 8/97
Renovation of Librarian and Computer Rooms	1,192,506.00	Feb. 17/97
College of Dentistry		
Construction of College of Dentistry Bldg. Phase I	36,141,006.00	March 20/97
College of Medicine		
Construction of Perimeter Fence and Steel Gate at P. Mendoza Bldg.	119,000.00	May 26/97
Renovation of College of Medicine Annex I Bldg.	4,435,000.00	Oct. 17/97
Upgrading of Laboratory Rooms at Dept. of Pharmacology	718,000.00	Dec. 23/97
College of Nursing		
Renovation of College of Nursing Bldg. Phase II	15,075,000.00	Feb. 24/97

College of Pharmacy		
Renovation of CP Bldg.	17,040,733.50	Feb. 12/97
Revarnishing of Furnitures	68,320.00	Nov. 24/97
College of Public Health		
Renovation of Mezzanine, Lara Hall	91,314.50	June 11, 1997
University Library		
Upgrading of Internet/Opac Station	246,530.00	April 11, 1997
Installation of Concrete Canal Cover	7,000.00	April 28/97
1998		
Central Administration Offices		
Renovation of Cashier & Registrar Office	2,201,288.78	April 24/98
Supply & Installation of Fire Protection System	178,291.00	Dec. 8/98
Supply & Installation of Airconditioning Units at Cashier & Registrar Offices	708,000.00	July 28/98
Repainting of UPM Social Hall	71,943.37	Jan. 25/98
College of Allied Medical Professions		
Renovation of Tulong-Dunong sa Palaruan Bldg.	77,900.00	Nov. 2/98
Supply & Installation of Airconditioning System	353,528.00	Aug. 31/98
College of Arts and Sciences		
Renovation of Computer Room	179,211.76	Sept. 15/98
Exterior Repainting of Rizal Hall	316,800.00	Oct. 9/98
Supply & Installation of Stage Curtains at Little Theater	412,305.00	April 6/98
Upgrading of Lighting System Curtains at Little Theater	1,055,580.90	Completed Oct. 13/98
Supply & Installation of Airconditioning Units at Little Theater	323,395.00	Nov. 28/98
Supply & Installation of Airconditioning Units at CAS Annex Bldg.	1,651,323.70	Jan. 23/98
College of Nursing		
Supply & Installation of Airconditioning Units at Auditorium	228,000.00	March 1998
Supply & Installation of Auditorium Seals	568,700.00	April 7/98
College of Pharmacy		
Supply & Installation of Airconditioning Units	300,287.95	May 6/98
College of Public Health		
Exterior Repainting of Lara Hall	400,065.46	Dec. 22/98
Creche & Child Center		
Minor Repair Works at Creche & Child Center	346,846.47	Sept. 21/98

NIH Bldg.		
Supply & Installation of Analok Aluminum Glass Door	130,000.00	July 27/96
Ugnayan ng Pahinungod Office		
Construction of Mezzanine Floor	4,438,940.23	Oct. 23/98
1999		
Central Administration Offices		
Supply & Installation of Airconditioning Units at the Offices of Budget & Personnel	219,500.00	Jan. 22/99
Fiber Optics Communication Backbone	8,837,940.00	Feb. 1/9/99
College of Arts and Sciences		
Completion of Gusaling Andres Bonifacio	4,151,717.00	58% Completion
College of Dentistry		
Construction of CD Bldg.	36,141,006.00	40% completion
College of Medicine		
Renovation of CM Annex I, Phase II	6,034,745.52	ongoing
College of Pharmacy		
Construction of Perimeter Fence	375,342.87	Feb. 1999
Upgrading of Cistern & Construction of Sump	166,763.70	28% completion
College of Public Health		
Electrical Rewiring Works at CPH Main Bldg.	2,543,984.68	85% completion
NIH Bldg.	2,578,298.77	Feb. 10/99
Re-roofing of NIH Bldg.		
School of Health Sciences	4,250,000.00	ongoing
Renovation of SHS Bldg.	3,800,000.00	ongoing
Construction of Dormitory Bldg.	3,500,000.00	ongoing
Construction of Administration Bldg.		

Appendix 9B

Financial Resources and Expenditures

Government subsidy consist of 26 percent of the total sources of funds for UP Manila. PGH gets a total 74 percent of the total allocation.

Source of Funds for 1993-1998

SOURCE OF FUNDS	1993	1994	1995	1996	1997	1998	TOTAL
Government Subsidy							
Central Ad/Academic	142,537,162	170,151,667	203,729,850	268,076,698	279,705,743	364,475,115	1,428,676,234
UP-PGH	365,505,000	574,419,669	639,452,449	713,974,048	856,819,742	957,859,000	4,108,029,908
Income							
Central Ad/Academic	53,408,230	55,840,466	64,457,853	84,695,068	101,701,425	93,558,569	453,661,611
UP-PGH	81,488,398	111,701,390	126,886,932	135,501,710	152,513,393	158,090,392	766,182,214
Donations							
Central Ad/Academic	14,799,151	5,994,873	17,463,713	6,675,516	6,199,818	24,690,962	75,824,033
UP-PGH	0	26,358,727	36,327,019	80,640,202	37,284,667	40,009,977	220,620,592
Sale of Drugs-RF							
UP-PGH	0	6,000,000	6,000,000	6,000,000	6,000,000	3,000,000	27,000,000
TOTAL	657,737,941	950,466,792	1,094,317,817	1,295,563,242	1,440,224,788	1,641,684,015	7,079,994,593

UP Manila Expenditures

USES OF FUNDS	1993	1994	1995	1996	1997	1998	TOTAL
Personal Services							
Central Ad/Academic	94,113,867	106,655,647	132,107,941	171,256,169	210,472,823	159,413,238	724,325,164
UP-PGH	219,173,768	329,032,189	400,563,210	526,521,263	675,636,205	787,754,346	2,938,680,981
MOOE							
Central Ad/Academic	26,157,260	65,762,462	48,897,200	64,274,890	81,155,683	94,139,878	380,387,373
UP-PGH	259,955,249	275,376,092	311,522,269	305,898,823	333,983,837	414,924,345	1,901,660,615
Capital Outlay							
Central Ad/Academic	760,000	26,600,000	75,905,258	55,105,000	47,961,304	6,000,000	212,331,562
UP-PGH	41,000,000	72,873,200	101,119,160	96,364,041	47,876,328	17,587,871	376,820,600
TOTAL	641,160,144	876,299,590	1,070,115,038	1,219,420,186	1,397,086,179	1,479,819,678	6,534,206,296

UP Manila Expenditures

USES OF FUNDS-DONATIONS	1993	1994	1995	1996	1997	1998	TOTAL
Personal Services							
Central Ad/Academic	49,100	1,785,230	1,552,984	1,657,723	522,098	2,022,929	724,325,164
MOOE							
Central Ad/Academic	652,867	1,179,670	1,552,451	1,030,102	2,243,257	4,125,815	10,784,161
Capital Outlay							
Central Ad/Academic	4,858,259	520,810	3,968,218	9,268,946	4,137,130	4,874,601	27,627,964
TOTAL	5,560,226	3,485,710	7,073,653	11,956,771	6,902,485	11,023,345	762,737,290

Appendix 9C

List of Alumni Association Activities

General Alumni Homecoming
1998

College of Allied Medical Professions
Balik-CAMP 1995
December 21-22 1995 CAMP Grounds
and at the "Ang Bahay ng Alumni" in UP Diliman

2nd Balik-Camp December 20-21, 1993

College of Arts and Sciences
Silver Jubilee Celebration
July, 1998

CASAA Alumni Week. November 22-30
November 22-30

College of Dentistry
UPCD Alumni Homecoming
Feb 4, 1998, UPM Social Hall

Workshop for the Officers
March 8 1998, Ramada Hotel

Reunion/Cocktail Party
"Centennial Reunion: Rekindling our Commitment to UPCD"
May 15, 1998, PICC Banquet Hall

Cornerstone Laying at Taft Avenue
November 21, 1995

Summit for Excellence in Dental Education
April 20-21

Assessment, Reaffirming and Visioning Workshop at Astra
Pharmaceuticals

Philippine Dental Association Annual Convention – 88th Scientific
Session
May 1-8

Faculty Conference in Camp John Hay, Baguio City
May 6-9

Community Dental Awareness Program
(Extension Services for 1995-96)

National Dental Health Week
February 3-9, 1993

Testimonial Dinner
March 5, 1993

85th Annual Session of the Philippine Dental Association
May 16-22

Testimonial Dinner
August 6, 1993

Maiden Issue of UPDAA Newsletter
August 6, 1993

Continuing Education Series of Lectures
August 4 – December 1993

“Mga Awiting Bayan” (a concert)
October 2, 1993

UPDAA Victorino G. Villa Memorial Lecture
November 23, 1993

UPMAS

UPCM General Alumni Homecoming
“DIWANG ‘98”, December 17 – 20, 1998

Early Registration
December 16, Alumni Hall

Medical-Surgical Mission
December 17, Pampanga

“Lakbay Kasaysayan”/ Historical Tours
December 18 ; Malolos, Kawit, Cavite, Las Pinas and Intramuros

UP System Lantern Parade
December 18 (pm), Luneta

Homecoming Proper
December 19-20, 1998

Institutional Planning Workshop of College of Medicine.

Community-based Program in Laurel, Batangas
(Extension Service for 1995-96).

College of Nursing

UPCN 's 50th Foundation Anniversary

April 14-17, 1998

Alumni Fellowship Day
CN Building, Pedro Gil

Cultural Show
Abelardo Hall, UP Diliman

Inauguration of the Memorabilia Room of
Julita V. Sotejo
CN, G/F

Reunion '95
April 8, 1995, Ang Bahay ng Alumni UPDiliman
Partnership in the Promotion of Wellness

Regular activities
JVS Lecture Series
Annual Reunions
Career Options

College of Pharmacy

Highlights of activities:

The University of the Philippines Pharmacy Alumni Board directly:

- Managed the annual UP Pharmacy Alumni Homecoming in coordination with the Silver Jubilarians and with the participation of the Ruby, Golden and Diamond Jubilarians.
 - Held monthly meetings with the UP Alumni Board.
 - Administered the various scholarships and financial grants financed by the UP Pharmacy Alumni Research and Scholarship Foundation.
 - Administered the various scholarships and financial grants donated by individual members to students of the UPCP based on academic average and financial needs.
 - Administered purchase of facilities and equipment subsidized
-

by the UP Pharmacy Alumni Research and Scholarship Foundation.

- Maintained continuous campaign for donations through sustained contact with alumni participation. Cash donations received during Alumni Homecoming are given to the UPCP to finance the immediate needs of the college.
- Sponsored seminars/ workshops for Faculty Development and Alumni Participation.
- Coordinated with the UP Alumni Board and the UPM Committee on Alumni Affairs in their annual activities including attendance, participation and fund campaign through the president and board members.

College of Public Health

Symposium on the New Philippine Guidelines for the Detection and Management of Hypertension together with the National Cardiovascular Disease Prevention and Control Program of DOH

Movie premiere

BINGO game

Cosponsored the UPMAA Homecoming
June 1997

CPHAS 18th Annual Convention and Homecoming
May 17, 1996

Community Immersion Projects of the UP College of Public Health
Alumni Society

UPMAA Grand Reunion '95

Actively involved in the:

47th Foundation Week Celebration.

April 6-8, 1995

Financial Assistance to the Colleges Committee on Health Promotion

"For love of Minda"

February 14, 1995

Minda Luz M. Quesada

"Passing of the Hat"

Scholarship Grant

Remia Paduga A.Y. 1994-1995

Career Forum

September 30, 1994

UPCNAA and PGHNAA Get Together

June 24, 1995, Hotel Nikko

UP Alumni Awards

UPMAA Alumni Raffle and Fellowship Party

December 2, 1994

Fund raising project for the new UPM-CN Building with the Building
Task Force