

Rationale

Prior to the approval of this particular program, the Dept of Medicine at the Phil General Hospital, UP College of Medicine (UPCM) offered a post-residency medical oncology fellowship program. It is a certificate training program abundant in research, seminars, lectures, conferences, case studies, laboratory work, and field on a clinical practice characteristic of curricular subjects of a baccalaureate degree. A UPCM graduate may further his/her knowledge, attitude and skills in medicine by undergoing a comprehensive (academics, research and clinical practice) education in internal medicine for three years. Further similar comprehensive education can be taken for two more years, this time in medical oncology. The physician then becomes a specialist in internal medicine with a subspecialty in medical oncology. But the clamor for higher learning in this field is continuously sought by these specialists. Thus, the creation of the first graduate programs in Medical Oncology in the country – the Master of Science Clinical Medicine (Medical Oncology) and the Master in Clinical Medicine (Medical Oncology).

The graduates of these programs, aside from being clinicians, may have already become leaders, administrators, researchers, or educators while taking the program. But they will be effective, among other roles, as nodal movers in a community-based Cancer Care Network, a network of GO and NGO agencies, led by the Dept of Health, to implement the Phil Cancer Control Program nationwide. Likewise, the degree will facilitate their career movement in the current institution they are involved in.

Program Objectives

The course will create a learning environment intended to develop medical internists into medical oncology specialists as well as health managers with broader knowledge and extensive skills. It is, therefore expected that graduates of this program will be able to demonstrate in-depth knowledge, adequate skills, proper attitude and values in:

- 1 diagnosis, medical treatment, prevention and control of neoplastic diseases
- 2 research in cancer medicine, prevention, and cancer control program
- 3 community and tertiary level teaching of cancer medicine
- 4 Implementation of quality management and organization development/planning to achieve total quality care of cancer patients in the tertiary and community settings

Academic Information

The academic year is divided into 2 semesters of 16 weeks each, excluding registration and final examination periods. The 1st semester starts in June and ends in October, while the 2nd semester covers the period from November to March, with a two-week Christ-

mas vacation in December. The summer session of 6 weeks following the 2nd semester is usually in April and May.

English is generally used as the medium of instruction. A full time student's normal load is 12-15 units per semester and 6 units during summer; a part-time student enrolls in half of these.

The tuition fee is P990.00 per unit, library fee is P1,050.00 and other fees is P350 per semester. A student with a load of 15 units in a semester matriculates P16,250.00 on the average while a foreign student pays an additional Educational Development Fund of US \$500.00 (US \$100.00 for residency only) for every semester. There is a processing fee of P300.00 for Filipino applicants while interested foreigners are charged US \$30.00. Application documents will be accepted until the second week of April of each academic year.

The following are the grade requirements for each student to be of good standing in the program: 1) general weighted average of 2.00 or better, 2) weighted average of 2.00 or better for the major/required courses, and 3) no grade of 5.00 in any academic course. A maximum of 5 years is given to a student to finish the program. Living accommodations for students maybe provided in privately-owned housing units/dorms/apartment hotels. Dorms offer lodging and/or board. There are privately-owned eateries around the school.

Admission Requirements

The following are the minimum NGOHS requirements:

- 1 MD degree from a recognized university/ tertiary institution
- 2 Good scholastic record from university/ institution of higher learning
- 3 Internal Medicine Residency program from an accredited institution
- 4 Duly accomplished Application Form (available at the Graduate Office or through www.ngohs.upm.edu.ph) together with the following documents:
 - * original copy of the official Transcript of Records
 - * 2 recommendations from former professors, supervisors or employers (forms included in the application packet)
 - * receipt of processing fee paid at the UPM Cashier's Office
 - * certified true copy of college diploma with the seal of the university and the signature of the registrar in ink
 - * 4 passport-size photos
 - * photocopy of certificate of birth and marriage certificate for married female applicants
 - * essay on an 8-1/2" x 11" sheet of paper describing your motivation for pursuing graduate study and your view of self-directed learning as a method of instruction, and a description of your research interest
- 5 For foreign applicants, additional requirements include:
 - * original Transcript of Records in English. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from

country of origin

- * certified true copy of diploma with the seal of the university and the signature of the registrar in ink. If written in another language, must be translated to English and authenticated by the Philippine consulate/embassy from country of origin
- * TOEFL (or its equivalent) score of at least 500 (written test) or 173 (computerized test) if English is not the medium of instruction in the country of origin
- * affidavit of support or certification of financial capability
- * photocopy of passport (present original for verification)

Requirements of the Dept of Medicine and the Section of Medical Oncology:

- * Passing a written examination and oral interview
- * Passing the written Licensure Board Exam of the Phil College of Physicians prior to acceptance to the program or be a diplomate or fellow of the Phil College of Physicians in good standing; for foreign applicants, the equivalent in their respective countries
- * Passing a validation exam for a Filipino/foreign student who passed a post-residency training in medical oncology from institutions other than the PGH; this shall waive the courses in Medical Therapeutics in Medical Oncology (MO 230 and MO 231) and Clinical Practice in Medical Oncology (MO 280, MO 281, MO 282, and MO 283)
- * A Filipino/foreign student who graduated from PGH-UPCM is exempted from this validation exam upon approval of the MS/M CM (MO) Program Committee. The post-residency fellowship training in medical oncology must have been received in less than or equal to 5 years from the time of application to the MS/M CM (MO) program, unless otherwise approved by the Program Committee.
- * The MS/M CM (MO) Program Committee shall automatically credit courses taken by a student in another graduate program. This is, however, limited only to the core courses of the program, i.e., CE 205, CE 211, CE 212, HP 201, HP

Graduation Requirements

- 1 Residency of at least one full academic year prior to granting of degree
- 2 GWA of 2.00 or better in major and in all courses taken
- 3 For MS CM (MO) Plan:
 - a. completion of 31 units of course work (16 core, 13 major and 2 electives/cognates)
 - b. satisfactory completion and submission of 6 bound copies of thesis
- 4 For M CM (MO) Plan:
 - a. completion of 34 units of course work (16 core, 13 major and 5 electives/cognates)
 - b. successfully passing a comprehensive examination

Curriculum

Core Courses 16 units

HP 201	Psycho-philosophical Foundation of Learning-Teaching in the Health Science	2 units
CE 211	Clinical Epidemiology	2 units
CE 212	Basic Research Methodology	2 units
HP 221	Instructional Design in Health Science Courses	3 units
HP 261	Organization and Management of Health Programs	2 units
CE 205	Clinical Statistics	5 units

Major Courses 13 units

MO 201	Molecular Biology and Pharmacology of Solid Tumors	2 units
MO 202	Bioethics and Value Formation in Cancer Care	2 units
MO 230	Medical Therapeutics in Med Oncology I	2 units
MO 231	Medical Therapeutics in Med Oncology II	2 units
MO 250	Quality Management in Cancer Care	2 units
MO 280	Clinical Practice in Medical Oncology I	1 unit
MO 281	Clinical Practice in Medical Oncology II	1 unit
MO 282	Clinical Practice in Medical Oncology III	1 unit
MO 283	Clinical Practice in Medical Oncology IV	1 unit

Electives/Cognates 2 units (choose from the courses below)

CE 213	Critical Appraisal of Medical Literature	1 unit
CE 215	Synthesis of Research	2 units
CE 216	Social Science Research Methods	2 units
CE 222	Clinical Economics	2 units
FCM 263	Hospice/Palliative and Home Care	1 unit
HP 232	Test Construction and Analysis	2 units
MO 203	Economics in Cancer and Control	2 units
Pharma 234	Advanced Molecular Pharmacology	3 units
Pharma 244	Cancer Chemotherapy	3 units

Thesis 6 units

Total 37 units

Course Description

MO 201 Molecular Biology and Pharmacology of Solid Tumors

Molecular biology and genetics, focusing on bio-molecules in normal and cancer cells and their interaction to the chemotherapeutic agents for solid tumors and on their roles per se in genetic therapy and diagnosis of cancer.

MO 202 Bioethics and Value Formation in Cancer Care

Bioethics in the cancer setting involving all phases of the management of the cancer patient and his/her family, from disclosure of the diagnosis and prognosis to the therapeutic decisions to the hospice care and terminal phase (death and dying issues).

MO 230 Medical Therapeutics of Solid Tumors I

Pharmacokinetic/pharmacodynamic and pharmaco-epidemiologic studies in the treatment of primary organ specific solid tumors.

MO 231 Medical Therapeutics of Solid Tumors II

Pharmacokinetic/ pharmacodynamic and pharmaco-epidemiologic studies in the treatment of metastatic cancers, bone marrow dysfunction, infection, pain, adverse effects of treatment and alternative/new methods of cancer treatment.

MO 250 Quality Management in Cancer Care

Quality control/ design/ planning, process, and information management to facilitate resource allocation and decision making in the care of cancer patients.

Faculty

Corazon A Ngelangel, MD, MSCE, PhD

Associate Professor

Antonio H Villalon, MD

Associate Professor

Jorge Ignacio, MD, MMT

Clinical Associate Professor

Susano B Tanael, Jr, MD, MS Biochem, MBA

Clinical Associate Professor

Gracieux Fernando, MD, MHPEd

Clinical Associate Professor

Valorie Fullon-Chan, MD

Clinical Associate Professor

Beatrice J Tiangco, MD, MSCE

Clinical Associate Professor

Alexander Delgado, MD

Clinical Associate Professor

Jennifer Sandoval-Tan, MD, MCM (MO)

Clinical Associate Professor

Application forms may be obtained from and mailed / returned to:

THE DEAN

NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES

Tel nos: 526-5870, 523-1495 Telefax: 523-1498

E-mail: ngohs@post.upm.edu.ph

www.ngohs.upm.edu.ph

Further inquiries may be sent to:

The DEPARTMENT OF MEDICINE

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Master of Science in
CLINICAL MEDICINE
Medical Oncology
Master in Clinical Medicine
Medical Oncology



A program offering of the

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