

| CURRICULUM |

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| Core Courses 7-8 units | | |
| Biostat 201 | Fundamentals of Biostatistics I | 3 |
| Biostat 202 | Fundamentals of Biostatistics II | 2 |
| Major Courses 19 units | | |
| CE 201 | Concepts of Clinical Economics and Health Social Sciences | 2 |
| CE 211 | Fundamentals of Clinical Epidemiology | 2 |
| CE 212 | Basic Research Methodology | 2 |
| CE 213 | Critical Appraisal of Medical Literature | 1 |
| CE 214 | Research Organization and Management | 2 |
| CE 215 | Synthesis of Research | 2 |
| CE 217 | Research Design in Clinical Epidemiology | 2 |
| CE 218 | Ethics in Clinical Epidemiology | 1 |
| CE 221 | Principles and Techniques of Health Policy Formulation | 2 |
| CE 298 | Independent Study | 3 |

Cognates 4 units

Thesis 6 units

Total 34 units

ELECTIVES

CE 207 Advanced Clinical Statistics

Advance statistical methods for clinical epidemiology.
Prerequisite: Biostat 201 & 202 or CE 205

CE 222 Advances in Clinical Economics

Principles and methods of economic evaluation such as costeffectiveness, cost-utility and cost-benefit analysis.
Prerequisite: Biostat 201 & 202 or CE 205

CE 223 Informatics for Clinical Decision Making

Application of basic concepts and principles of medical informatics to clinical decision making.
Prerequisite: CE 213

CE 224 Medical Writing and Presentation

Techniques of medical writing and presentation.

CE 297 Seminars in Health Social Sciences

Transdisciplinary perspective of current social issues related to health.

CE 299 Social Science Research Method in Health

Basic qualitative and quantitative social science research methods and techniques as applied to health.

Pharma 250 Introduction to Pharmacoepidemiology

Application of principles of epidemiology to clinical pharmacology.

Further inquiries may be sent to:
**THE DEPARTMENT OF CLINICAL
EPIDEMIOLOGY**
College of Medicine
Tel nos: 525-4098
website: <http://dce.upm.edu.ph>



CONTACT US

Application forms may be obtained from and returned to:
THE DIRECTOR
NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES

☎ (632) 526-5870, 523-1495
📠 (632) 523-1498
🌐 ngohs.upm.edu.ph
✉ ngohs@post.upm.edu.ph
🐦 [ngohs@post.upm.edu.ph](https://twitter.com/ngohs@post.upm.edu.ph)



NATIONAL GRADUATE OFFICE FOR THE HEALTH SCIENCES



MASTER OF SCIENCE IN EPIDEMIOLOGY (CLINICAL EPIDEMIOLOGY)

**A PROGRAM OFFERING OF THE
COLLEGE OF MEDICINE
UNIVERSITY OF THE PHILIPPINES
MANILA**



RATIONALE

Clinical Epidemiology is a developing field considered by many as a basic science in clinical medicine. It has been defined as “the study of groups of people to achieve the background evidence needed for clinical decisions in patient care”. Many other definitions hold in common are the following important issues:

1. Clinical epidemiology must generate the best possible evidence from groups of subjects regarding the effectiveness and efficiency of various clinical courses of action; and
2. It must translate the evidence (or lack thereof) into rational clinical decisions pertaining to the management of individual patients.

The UP College of Medicine and the College of Public Health are jointly offering the Master of Science in Clinical Epidemiology and Public Health Epidemiology. Clinical Epidemiology enables health professionals to successfully implement a health program or to deliver better health care to their patients through application of the principles of epidemiology, biostatistics, clinical economics, health social science, health technology assessment and health policy making. The program is also designed to equip clinicians with skills to carry out and evaluate valid and reliable research on common health problems which they encounter.

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 August and ends in December, while the 2nd semester covers the period from January to May. The short term session of 6 weeks following the 2nd semester is usually in June and July.

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 short term; 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 materials are submitted at the end of December of each 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 may be provided in privately-owned housing units/dorms/apartment hotels. Dorms offer lodging and/or board. There are privately-owned eateries around the school.

The master's degree will be awarded upon completion of at least 24 units of formal courses: 6 units of cognate courses which may have been taken from the department or outside provided it is within the UP System. In addition, 6 units of thesis work must be obtained.

PROGRAM OBJECTIVES

At the end of the program, the graduate should be able to generate and evaluate information and technology relevant to his/ her field of work. Specifically, the graduate should be able to:

1. Demonstrate skills in the application of epidemiologic concepts and principles to the solution of clinical and public health problems;
2. Identify, plan, undertake, analyze and interpret clinical or public health problems;
3. Deliver technical services to clinicians or public health workers on how to properly identify factors in disease causation; evaluate the reliability and validity of measurements; determine the efficacy and effectiveness of interventions; plan strategies for disease control/prevention; devise methods for evaluating health technology/programs; and provide guidelines for research activities whose results could be bases for health policy formulation.
4. Develop a critical attitude in evaluating scientific literature and information in the management of health problems;
5. Appreciate the roles of both economics and the social sciences in making health interventions more efficient and acceptable.



ADMISSION REQUIREMENTS

The following are the minimum NGOHS requirements:

1. Good scholastic record from any recognized institution of higher learning
2. A Bachelor of Science degree
3. 1 – 2 years work experience in the related field
4. Duly accomplished Application Form (available at the Graduate Office or through 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
 - * resume or curriculum vitae
 - * photocopy of birth certificate 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
 - * Official TOEFL score of at least 550 (written test) or 173 (computerized test); 61 (internet based) or other Certification of English proficiency equivalent to TOEFL (e.g. IELTS (band 6); a certificate that English is the medium of instruction in the university where the student has graduated from is sufficient to waive this requirement
 - * affidavit of support or certification of financial capability
 - * photocopy of passport (present original for verification)

GRADUATION REQUIREMENTS

- * Residency of at least one full academic year prior to granting of degree
- * Completion of 28 units of course work
- * GWA of 2.00 or better in major courses and in all courses taken, provided there is no grade of 5.00 in any of these courses
- * Successful oral and written presentation of master's thesis 5 Submission of 6 bound copies of the thesis

DIPLOMA IN EPIDEMIOLOGY (Clinical Epidemiology)

This diploma will be an option for students who will only complete the academic requirements of the program, with a GWA of 2.00 or better and no grade of 5.00 in any of the courses taken.