

# **Doctor of Philosophy Program in Clinical Epidemiology International English Program**

## **1. Program Title**

Doctor of Philosophy Program in Clinical Epidemiology

## **2. Name of Degree**

- a. Full name: Doctor of Philosophy (Clinical Epidemiology)
- b. Abbreviation: Ph.D. (Clinical. Epidemiology)

## **3. Responsible Unit**

- a. Section for Clinical Epidemiology & Biostatistics, Research Centre, Faculty of Medicine, Ramathibodi Hospital, Mahidol University
- b. Faculty of Graduate Studies, Mahidol University

## **4. The Program's Philosophy and Objectives**

### *Program Philosophy*

The Doctor of Philosophy program in Clinical Epidemiology will prepare students to integrate clinical epidemiology, biostatistics, clinical economics, and clinical research with patient care. The Program will focus on a critical evaluation of diagnostics, prevention and management, which are the basic principles of evidence-based medicine. It will provide students with a broad perspective and advanced skills for in-depth exploration of research methodology. Students will be challenged to create innovative research and evaluation methods, which will lead to not only an improved understanding of health and disease, but ultimately toward an overall contribution to enhanced health service systems as well.

### *Program Objectives*

- a. Appropriately teach, advise and disseminate the principles of Clinical Epidemiology while assiduously aspiring to help in the reduction of the world disease burden.
- b. Encourage and effectively integrate Clinical Epidemiology and Evidence-Based Medicine into the everyday practice of individual patient care as well as the broader based health care systems.
- c. Produce good clinical research using Clinical Epidemiologic tools, while further advancing ongoing medical education of the highest ethical standards in Clinical Epidemiology.

## **5. Admission Requirements**

### *Plan I (Research only)*

- Candidate must hold a Doctoral degree in Medicine and have graduated with a Master's degree in Clinical Epidemiology, Biostatistics, Health Economics, Health Financial Management, Health Services Research and Policy Administration, or Public Health.
- Candidate must have at least 3-5 years of medical research experience.
- Candidate must have published research in international journals which are cited in index-medicus.

## *Plan II (Coursework and Research)*

- Candidate must hold a Doctoral degree in Medicine.
- Candidate must have a transcript GPA of not less than 3.0.

(Exceptions to these requirements will be made by the Program Committee and the Dean of the Faculty of Graduate Studies.)

## **6. Selection Method**

Candidate is required to submit a brief proposal (3-5 pages) about the research topic that interests him or her. Additionally, a placement/tele-interview by our program committee will be arranged if the candidate's proposal is selected.

## **7. Academic System**

Semester system

### *Academic credits:*

The number of academic credits assigned to each subject is as follows:

- Lecture or discussion periods totaling 15 hours per semester - 1 Credit
- Laboratory or practice periods totaling 30 hours per semester - 1 Credit
- Dissertation preparation totaling 45 hours per semester - 1 credit.

## **8. Language**

English will be used for instruction, written assignments, as well as the writing of dissertation and manuscript.

## **9. Duration of Study**

Plan I : Completion of study must take no more than 5 academic years.

Plan II : Completion of study must take no more than 8 academic years.

## **10. Registration**

Candidates may enroll on a full-time or part-time basis as follows:

- Plan I Full-time:
  - Three years for dissertation
  - Students must register no less than 8 credits/semester
- Plan I Part-time:
  - Four years for dissertation
  - Student must register no less than 6 credits/semester
- Plan II Full-time
  - One year for course work
  - Four subjects/semester
  - Two years for dissertation
- Plan II Part-time
  - Two to four years for course work
  - Must enroll at least one subject/semester
  - Two to three years for dissertation

## **11. Evaluation and Graduation Requirements**

### *Evaluation*

Student evaluations are in accordance with the rules and regulations of Mahidol University. (See details: [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th))

### *Graduation Requirements*

#### *Plan I (Research and Dissertation Only)*

Students must meet the following requirements:

- Pass an English proficiency Examination with a TOEFL score of at least 500 (paper based) or 173 (computer based) or 61 (internet based) or achieve an IELTS band level of at least 5.5. Pass the Qualifying Examination.
- Complete a written dissertation and pass the oral defense required for graduation according to the regulations of the Faculty of Graduate Studies, Mahidol University.
- Publish at least one research paper related to his or her dissertation in an internationally peer-reviewed journal.

#### *Plan II (Course work and Dissertation)*

Students must meet the following requirements:

- Pass an English proficiency Examination with a TOEFL score of at least 500 (paper based) or 173 (computer based) or 61 (internet based) or achieve an IELTS band level of at least 5.5.
- Complete course work with at least 24 credits with GPA not less than 3.00.
- Pass the Qualifying Examination.
- Complete a written dissertation and pass the oral defense required for graduation according to the regulations of the Faculty of Graduate Studies, Mahidol University.
- Publish at least one research paper related to his or her dissertation in a internationally peer-reviewed journal