

Registration Form

Position: _____

Last Name: _____

First Name: _____

Institution/Affiliation: _____

Department: _____

Position: _____

Postal Address: _____

City: _____

Province/State: _____

Zip Code: _____

Country: _____

Phone: _____

Fax: _____

E-mail: _____

Mobile: _____

The course will be taught by UP College of Public Health (UPCPH), experts from the SEAMEO Centers and other international partners of UPCPH (TROPMED/Philippines)

Reservation fee:

Php2,000 (for local participants)
The reservation fee becomes non-refundable if notice of cancellation is given less than three (3) days before the event

For inquiries and reservation

Dr. Carmen Tolabing

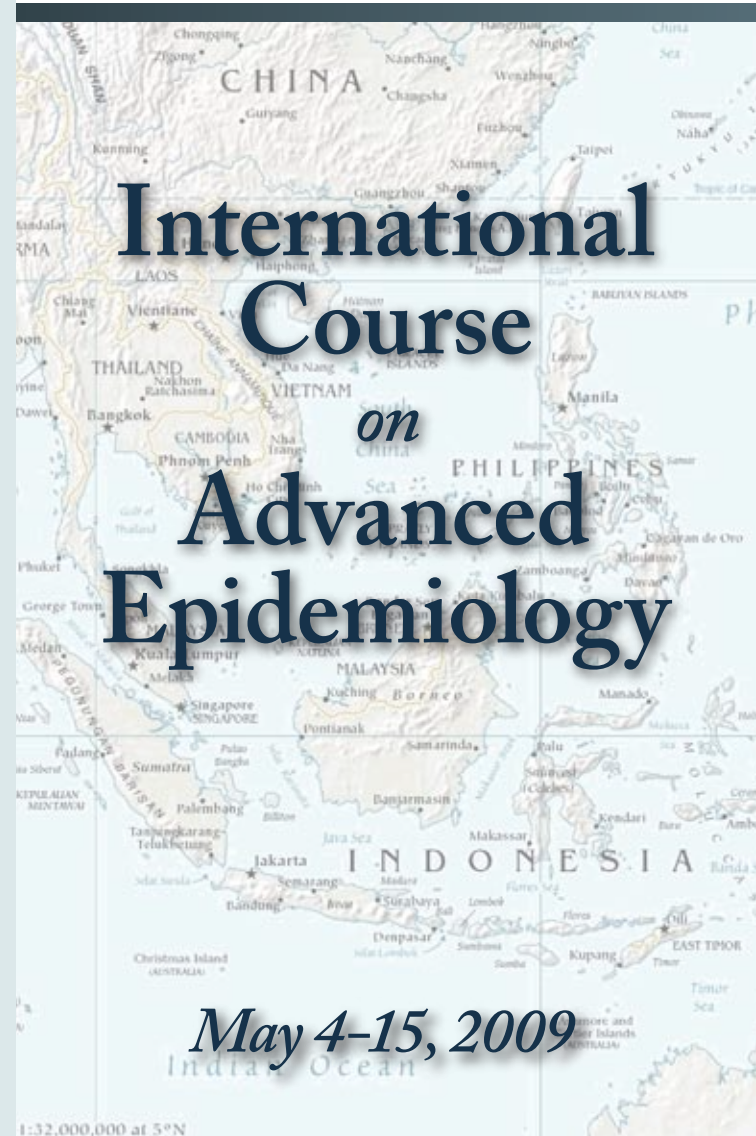
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College of Public Health
University of the Philippines Manila
The Health Sciences Center



SEAMEO-TROPMED
Regional Centre for Public Health,
Hospital Administration,
Environmental and Occupational Health

I. Course Description

The course will focus on methods and on latest developments within the area of Epidemiology. Participants will gain valuable knowledge and experience in the following: designing epidemiologic studies on tropical diseases including genetic studies of infectious diseases in humans, disease mapping using Geographic Information Systems (GIS), conducting geographic surveys using Global Positioning Systems (GPS), evaluating public health interventions, and interpreting logistic regression and multivariate statistical models using STATA

The course is intended for individuals who have basic understanding of epidemiology and statistical methods. Health professionals whose research interests require the use of epidemiologic methods would greatly benefit from this course as well.



II. Course Objectives

At the end of the course, the participants will be able to:

- Design epidemiologic studies including those for:
 - determining the impact of illness (DALYS)
 - monitoring and evaluating preventive and control measures
- Discuss the genetic epidemiology of selected infectious diseases in humans
- Use GIS and related technologies to map and describe geographic distributions of diseases, important risk factors, and populations at risk using Health Mapper (Quantum GIS, MapWindows, or any free GIS software)
- Perform exploratory spatial data analysis using GEODA
- Perform multivariate statistical analysis using STATA
- Perform project cost-analysis

III. Course Content

1. Epidemiology
 - ◇ Analytic Epidemiology
 - ◇ Epidemic investigation
 - ◇ Sources and control of errors in epidemiologic studies
 - ◇ Impact of illness (DALYs)
 - ◇ Overview of methods in genetic epidemiology
 - ◇ Genetic Epidemiology of infectious diseases
2. Disease mapping using GIS and GPS
3. Spatial Analysis
4. Logistic regression and multivariate analysis
5. Project cost analysis (cost- benefit, cost-effectiveness analysis)

IV. Teaching-Learning Activities

Lectures and discussions
Small group activities
Demonstration
Case studies
Field visit
Hands on exercises with GEODA and STATA