



# Epidemiological Research Training Course VII - 1

August 16-20, 2016  
University of Medicine and Pharmacy  
Ho Chi Minh City, Vietnam

**Updated on July 3**

**THIS COURSE IS SPONSORED BY  
HO CHI MINH CITY MEDICAL ASSOCIATION  
AND SUPPORTED BY**



**HO CHI MINH CITY HEALTH SERVICE AND  
JAPAN EPIDEMIOLOGICAL ASSOCIATION**

## Course Syllabus

This is the seventh research training course jointly organized by the Fukushima Medical University and the University of Medicine and Pharmacy, Ho Chi Minh City. The course targets doctors and university lecturers and offers a basic training in *practical* survey methods that can be applied for improving daily clinical practice. The course deals with health topics at all stages of life including maternal and child health, life-style related diseases in adulthood and gerontology. Successful participants are given an authorized certificate from University of Medicine and Pharmacy, Ho Chi Minh City, and a Continuous Medical Education credit from Ho Chi Minh City Medical Association. This course is sponsored by the Ho Chi Minh City Medical Association CME partnership grant.

### Objectives

The primary objective of this course is to enable participants to understand epidemiological findings, to design and conduct epidemiological studies.

1. To reinforce *basic knowledge* of epidemiology and biostatistics.
2. To provide *technical competencies* required for research: literature searching, **critical appraisal of published medical evidence**, **study designing**, questionnaire development, data handling, data analysis, and publication skills.

*NOTE: The subsequent course (VII-2) in August, 2017 will focus on data analysis and publication skills.*

### Class Meeting Time and Place

Duration: August 16 (Tue) – 20 (Sat)  
Time: 9:00-12:00 & 13:30-16:00  
Place: Lecture hall 3D

### Didactic Method

Most lectures are given in English with translation into Vietnamese. Course materials (in English) are distributed on the first day of the course. A course textbook is uploaded in the project website ([http://www.fmu.ac.jp/home/public\\_h/ebm/](http://www.fmu.ac.jp/home/public_h/ebm/)). Survey methodologies are taught in morning classes for all participants. In the afternoon, Project Course Participants work on group projects.

#### **1. Audit Participant** (individual application)

Auditing of lectures without participation in group projects. Participants apply as an individual. The number of registrants is approximately limited to 50.

#### **2. Project Course Participant** (group application)

Full participation of two in-class trainings (Course VII-1 in August, 2016 and Course VII-2 in August, 2017) and a group project are required. You must apply as a group of 6-7 applicants, preferably from the same organization (you should be able work closely as a team). The number of groups is approximately limited to 6.

In Course VII-1, each group is required to work together and present their research proposals. The data collected must be conducted before Course VII-2, during which instructions on data analysis are provided. Course instructors will support all groups until the publication phase of their research. However, please note that no research grant will be provided. Participants are strongly advised to obtain support from their institution. Small travel stipends will be provided to a number of selected participants traveling from outside of Ho Chi Minh City.

## **Evaluation**

Please note that we require at least 3 full day attendance, taking of the final examination, and participation in the presentation session for both Audit and Project Course Participants. For Project Course Participants, your group assignments are also evaluated. Certificates and CME credits are given to those who successfully complete the course (i.e., meeting all of the above requirements).

## **Eligibility Criteria and Application**

Applicants should have at least two years of experience in clinical medicine and/or research. Proficiency in English reading is required. We especially encourage participation of mid-career professionals with some experience in the design or conduct of epidemiological surveys. Previous courses participants are also welcome. Participants will be selected by the university and the medical association.

❖ Please submit the application form to Dr. Tran The Trung of Department of Endocrinology, University of Medicine and Pharmacy, Ho Chi Minh City. [tranthetrong73@yahoo.com](mailto:tranthetrong73@yahoo.com)

## **Course Organizers and Leadership**

Tran Diep Tuan

Dean, University of Medicine and Pharmacy, Ho Chi Minh City

Do Van Dung

Vice Dean, University of Medicine and Pharmacy, Ho Chi Minh City

Nguyen Thy Khue

Associate Professor Emeritus, Department of Endocrinology, University of Medicine and Pharmacy, Ho Chi Minh City; Vice Chair, Ho Chi Minh City Medical Association

## **Main Instructors**

Goto, Aya

Professor, Center for Integrated Sciences and Humanities, Fukushima Medical University

Nguyen Quang Vinh

Vice-Chair, Department of Obstetrics and Gynecology, Tan Tao University, Long An Province;

Medical doctor, Department of Obstetrics and Gynecology, Nguyen Tri Phuong Hospital

Koriyama, Chihaya

Associate Professor, Department of Epidemiology and Preventive Medicine, Kagoshima University

Yokokawa, Hirohide

Associate Professor, Department of General Medicine, Juntendo University School of Medicine

**Guest lecturers**

Lai, Alden Y

Ph.D. Student, Department of Health Policy & Management, Johns Hopkins Bloomberg School of Public Health

Ly Le

Associate Professor, Department of Applied Biochemistry, School of Biotechnology, International University, Vietnam National University at Ho Chi Minh City

**Vietnamese instructors**

Nguyen Thi Tu Van

Chair, Department of Obstetrics and Gynecology, Tan Tao University, Long An Province

Tran Quang Nam

Lecturer, Department of Endocrinology, University of Medicine and Pharmacy, Ho Chi Minh City

Tran The Trung

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Medical doctor, Department of Endocrinology, People's Hospital 115, Ho Chi Minh City

Nguyen Thi Boi Ngoc

Medical doctor, Department of Endocrinology, People's Hospital 115, Ho Chi Minh City

Nguyen Thu Tinh

Lecturer, Department of Pediatrics, University of Medicine and Pharmacy, Ho Chi Minh City

**Assistant instructors**

TBA

**Contacts**

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## Tentative Curriculum

	Morning class (9:00-12:00)		Afternoon class (13:30-16:00)		
	Lecture 1 *	Lecture 2*	Mini-lecture		Group work**
16 Tue	<b>-Opening-</b> Learning Epidemiology terminology in Vietnamese (Tran TT)	Learning Biostatistics terminology in Vietnamese (Nguyen QV)	Conducting a literature search (Vo TK)		Finalization of project topics (group discussions)
17 Wed	Study designs: An overview (Goto A & Nguyen QV)		Research protocol development (Le TL)		Preparation of group presentations
18 Thu	Bias and confounding (Koriyama C & Tran TT)		Questionnaire development (Goto A & Nguyen QV)	Genetic epidemiology (TBA)	Preparation of group presentations
19 Fri	Clinical epidemiology (Yokokawa H & Tran QN)		<b>EBM Open Seminar</b> "Physician Wellness" (Lai AY)		
20 Sat	Examination	Presentations <b>-Closing-</b>	(Meeting with previous attendants)		(Staff summary meeting)

\* There will be in-class exercises. Participants can select to complete either basic and advanced exercises depending on their previous training.

\*\* Group work is for Project Course participants only. Each group will be guided by one Vietnamese instructor.

**EBM Open Seminar on August 19**

### **"Physician Wellness"**

*Interested in creating a happier workplace for yourself for better patient care? Please join!  
This seminar is open to physicians and university faculty who are interested in the management, training and education of the health workforce.*

1. Job burnout and dissatisfaction, and impact on patient care
2. Perspectives from management science and medical education
3. In-class exercises to develop workplace wellness interventions

