

The Section for Clinical Epidemiology and Biostatistics (CEB), Faculty of Medicine, Mahidol University aims to produce quality epidemiologists and biostatisticians. To support this in addition to our Ph.D. and M.Sc. Programs, we provide short course training. Students will engage in clinical epidemiology course work tasks which can be applied in clinical practice including diagnosis risk/harm, prognosis, therapy, systematic review, and clinical practice guidelines.

Our program works and collaborates closely with clinical departments in the Faculty of Medicine, Ramathibodi Hospital. We also have a good research team in our CEB to facilitate, help, and support students who are conducting their researches. All our students are encouraged to put in their best efforts, by following our program planning, to get their work published internationally. We look forward to working with you to achieve your goals on our short courses.

To register

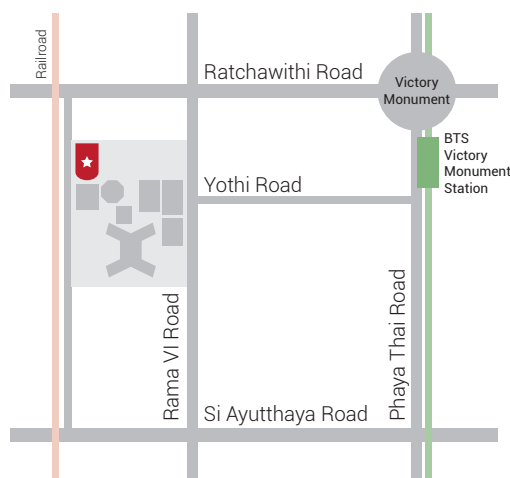
Please go to <http://www.ceb-rama.org> or contact Ms. Prawdeun for more information

Section for Clinical Epidemiology and Biostatistics

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SECTION FOR CLINICAL EPIDEMIOLOGY AND BIostatISTICS

Faculty of Medicine
Ramathibodi Hospital
Mahidol University
Bangkok, Thailand



Short Courses in EPIDEMIOLOGY AND BIostatISTICS



While still young, we are building on a firm base of professionalism and quality, so that institutions globally will be able to trust the quality of our instruction. We want you to help you become a proficient epidemiologist / biostatistician and will make our best efforts to help you achieve your goals. With support and backup all the way, you will be challenged to surpass yourself. It is challenging on our courses, but with that comes the reward of not just new knowledge, but also ability in how to apply it. We do not just want to give you knowledge, we also want to teach you how to use it. We are ready to do our best for you, put the effort in and you can achieve. We are looking forward to your success.

*All classes are on weekdays
and presented in English*

Study Designs and Measurements

This course covers: health science research; measurement techniques; cohort, cross-sectional and case control observational studies; scales for health measurement; experimental studies; dealing with confounding and interaction, dealing with association and causality, introduction to health service evaluation, genetic and modern epidemiology with nested studies.

7 weeks – 34 hours
2 x half days / week
Every **August through September**
Fee only 10,000 baht

Introduction to Medical Statistics

This course covers: basic concepts; computer aids; analysis of continuous (2 means and 3 groups or more) and categorical data; correlation and multiple regression; and sample size estimation.

6 weeks – 33 hours
2 x half days / week
Every **August through September**
Fee only 10,000 baht

Clinical Epidemiology and Evidence-based Medicine

This course will cover: forming a research question, understanding Evidence-based medicine (EBM) for therapeutic, risk, diagnostic and prognostic studies together with an introduction to systematic review and prediction.

7 weeks – 33 hours
2 x half days / week
Every **October through November**
Fee only 10,000 baht

Advanced Analysis in Medical Research

This course covers: logistic regression, ROC curve analysis, clinical prediction scores, poisson regression, survival analysis and longitudinal data analysis.

5 weeks – 30 hours
2 x half days / week
Every **December through January**
Fee only 10,000 baht

Systematic Review and Meta-analysis

This course covers: methodology: selection of topic; rationale; location of studies; selection of studies; data extraction form design; risk of bias assessment; meta-analysis for dichotomous and continuous outcome; sources of heterogeneity; reporting bias; advanced meta-analysis; statistical analysis plan for data analysis, dummy tables and figures; data analysis and submission.

This course has a high practical content and students need to keep up with practical work for maximum benefit. The aim is that by the end of the course students will have a manuscript ready for submission.

15 weeks – 40 hours of instruction and 60 hours of practical work
Some classes are half day and some are full day.
Every **March through July**.
Fee only 20,000 baht