Elective course

COURSE SPECIFICATION SUMMARY

MASTER OF PRIMARY HEALTH CARE MANAGEMENT
(INTERNATIONAL PROGRAM)

COURSE OVERVIEW

**ADPM 664
Applied Statistics for Primary Health Care Research**

CREDITS & HOURS:
3 (3-0-6) credits (Lecture – Practice – Self-study)

VENUE:
ASEAN Institute for Health Development
Mahidol University, Salaya

LATEST COURSE UPDATED:
1 September 2023

NUMBER OF HOURS PER SEMESTER:
Lecture: 45 hours; Practice: 0 hours;
Self-study: 90 hours

HIGHLIGHTS

This course covers the principle of applied statistics in primary health care research, includes descriptive and inferential, parametric and non-parametric statistics, hypothesis testing for population means and proportions, analysis of variance, correlation analysis and multiple regression, Chi-square test and multiple logistic regression, path analysis, factor analysis, structural equation model (SEM), selecting appropriate statistical methods, data analysis using Statistical Package for the Social Sciences (SPSS) software and AMOS (Analysis of Moment Structure).

AFTER ENROLLMENT THE STUDENTS WILL BE ABLE TO:

- Describe the theoretical foundation for different statistical techniques
- Select the most appropriate statical approach for analyzing data from applied primary health care research
- Perform a statistical analysis data from applied primary health care research
- Interpret the result from statistical analysis of data from applied primary health care research
- Write statistical reports in a proper academic form

RESOURCES & MATERIALS
· Textbooks: 📚
· Online Platforms: 🌐 Mahidol library data base, Google Classroom, etc.
· Supplementary Materials: Articles