

Course Detail

Master of Science Program in Social, Economic and Administrative Pharmacy

Course Title:	Master of Science Program in Social, Economic and Administrative Pharmacy (International Program)
Master Degree:	Master of Science (Social, Economic and Administrative Pharmacy)
Academic Institution:	Mahidol University, Faculty of Pharmacy, Department of Pharmacy, Division of Social and Administrative Pharmacy
Duration:	2 years (August 2022 – May 2024)

Background and Rational:

The changes in economics, society, and culture affect the social structure and the way of people's lives in every country. These factors contribute to the continual change in health conditions and health system. Accordingly, the management of the public health system must be developed at all times. In this regard, the education system that produces healthcare personnel is required to be active as well as be continuously monitored and developed. The development of this curriculum is mainly based on the development situation of socioeconomic, cultural, and health system. The content of the curriculum focuses to prepare for the changes in the health and drug systems. It also aims to respond to social and cultural issues that affect people and personnel as the social, economic and administration dimensions are substantially important. The curriculum development focuses on the personnel development by integrating related sciences of public policy on drug and health as a whole and the management in both the public and private sectors. This would lead to the drug system development under the health system in the various dimensions and contexts of the society. Students are provided with knowledge related to public policy and health system administration. Students can also build relationships that lead to the development of public policy to influence the health system development in a holistic manner. According to a demand analysis in Thailand and other countries, many overseas pharmacy institutions require the development of pharmacy education in the area of social, economic and administrative pharmacy. These institutes would like to send their personnel to study in this program. Additionally, this program is a part of the supporting project for international postgraduate students, named the Thailand International Postgraduate Program (TIPP).

The program has a plan to accommodate teaching and learning resources according to the students' needs. As a part of planning, there are meetings of related people for analyzing the demand for textbooks, reference books, documents, other instructional equipment, and other electronic media as well as allocating the resources to meet the needs of students and other users.

The program holds student orientation to provide academic advice, teaching plan in the curriculum, suggestions on how to study, and explanation about the advisory schedule of each advisor. There are activities to promote the student development such as welcoming new students by instructors and senior students in each program. The senior students are assigned to run the event in order to practice their management skills.

The student advisory system is provided to advise and assist students in studying and/or suggest students for other possible problems. The number of students per advisor is in accordance with the criteria of the Faculty of Graduate Studies.

Philosophy and Objectives:

Master of Science Program in Social, Economic and Administrative Pharmacy believes in an outcome-based education and active learning. The Program adopts Prince Mahidol's philosophy, "the true success is not in the learning, but in its application to the benefit of mankind". It focuses on inspiring the students to learn, explore, and create the knowledge for the broad society with philanthropic mind and strong passion. Real experiential learning is the key concern. This program emphasizes on producing high-quality graduates with knowledge of social, economic, and management who possess moral, academic ethics, and professional ethics. The graduates must be able to integrate the knowledge of social, economic, and management for improving drug and healthcare systems.

After completion their study, students will have characteristics, which comply with Thailand Quality Framework standard as follows:

1. Have appropriate behavior and commit to upholding and embracing the highest ethical and professional standard in academic and practice.
2. Possess knowledge in implementing policy. Provide evidence-based information for policy formulation, management, and administration, and be able to understand, describe, define and explain relevant knowledge related to economic and drug policy leading to an improvement in the drug and health systems.
3. Be able to analyze, apply and design social science, economic, epidemiology and management research, which lead to the development of drug and health care systems.
4. Have good human relation, social responsibility, and leadership skill.
5. Have numerical analysis skills, and information technology skills, which can be applied for drug and health systems

Program Learning Outcomes (PLOs)

1. Ethics

- 1.1 Respect the principle of intellectual property rights.
- 1.2 Embrace ethics and professional ethics.

2. Knowledge

- 2.1 Understand, describe, define and explain the principle and method of public health, social sciences, and management related to drug and health systems.
- 2.2 Understand, describe, define and explain research techniques that are accepted in the development of drug and health systems.

3. Intellectual skill

3.1 Analyze the socio-economic and administrative issues related to drug and health systems.

3.2 Apply knowledge in the context of drug and health systems.

3.3 Design a research related to social pharmacy, economics and administration by using an appropriate research methodology.

4. Interpersonal skill and responsibility

4.1 Interact (persuade) properly with colleagues and stakeholders.

4.2 Enthusiastically work as a team member and demonstrate leadership attributes.

4.3 Perform and participate in socially responsible activities.

4.4 Have a responsibility in achieving an assignment.

5. Numerical analysis skills, communication, and information technology

5.1 Use IT to search, manage, analyze and present qualitative/ quantitative academic data.

Course Synopsis and Methodology:**Course Content/ Study topic:****Program Structure***Credit Requirements*

Credit requirements of the program were set according to the Ministry of Education Announcement titled “Standard Criteria for Graduate Studies 2005,” with specified plan 2 curriculum.

1. Required Courses	12 credits
2. Elective Courses (at least)	12 credits
3. Thesis	12 credits
Total no less than	36 credits

Courses in the curriculum**(1) Required Courses 15 credits****Credits (Lecture-Practice-Self Study)**

GRID 603	Biostatistics	3(3-0-6)
PYSP 671	Research Methodology in Social Science I	2(2-0-4)
PYSP 674	Drug and Health System Management	2(2-0-4)
PYSP 675	Health Economic Evaluation	2(2-0-4)
PYSP 676	Pharmacoepidemiology in Public Health	2(2-0-4)
PYSP 688	Seminar in Current Research on Social, Economic and Administrative Pharmacy	1(1-0-2)
PYSP 690	Seminar in Research Methods on Social, Economic and Administrative Pharmacy	1(1-0-2)
PYSP 710	Strategic Management in Health System	2(2-0-4)

(2) Elective Courses: Not less than 9 credits

Apart from the elective courses mentioned below, students are allowed to register for other courses offered by the Faculty of Graduate Studies, Mahidol University, or other universities based on students' interests. However, it must be approved by their academic advisors or the program administrative committee.

PYSP 672	Social and Cultural Aspects Relating to Health	3(3-0-6)
PYSP 677	Health Outcome Assessment	3(3-0-6)
PYSP 678	Pharmaceutical Anthropology	3(3-0-6)
PYSP 679	Cost Analysis in Health Care	3(3-0-6)
PYSP 680	Hospital Pharmacy Administration and Practice	3(3-0-6)
PYSP 683	Cost-Effectiveness Modelling in Health	3(3-0-6)
PYSP 695	Evaluation of Pharmacy and Health Care Program	3(3-0-6)

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(3) Thesis 12 credits**Credits (Lecture-Practice-Self Study)**

PYSP 698	Thesis	12(0-36-0)
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Course Synopsis & Methodology:**Study Plan; Plan 2 (A2) (Course work and thesis)**

Year	Semester 1	Semester 2
1	GRID 603 Biostatistics 3(3-0-6) PYSP 671 Research Methodology 2(2-0-4) in Social Science I PYSP 674 Drug System 2(2-0-4) Management PYSP 675 Health Economic 2(2-0-4) Evaluation	PYSY 676 Pharmacoepidemiology 2(2-0-4) in Public Health PYSY 710 Strategic Management 2(2-0-4) in Health System PYSY 690 Seminar in Research 1(1-0-2) Methods on Social, Economic and Administrative Pharmacy Elective courses 6 credits

Year	Semester 1	Semester 2
	PYSP 688 Seminar in Current Research on Social, Economic and Administrative Pharmacy Elective courses 3 credits Total 13 credits	 Total 11 credits
2	PYSP 698 Thesis 6(0-18-0) Total 6 credits	PYSP 698 Thesis 6(0-18-0) Total 6 credits

Remark: Students have to pay for the field-trip study fee as part of PYSP 674 Drug and Health System Management.

Research Projects of the Program

Guidelines for conducting a research project are as follows:

- (1) Research in social sciences and humanities related to drug and health systems
- (2) Pharmacoepidemiological studies
- (3) Health outcomes research
- (4) Cost analysis in health care
- (5) Health economics and health technology assessment
- (6) Drug and system management at international, national, and hospital levels
- (7) Drug and health policy analysis
- (8) Analyzing, planning, and managing of health care personnel
- (9) Strategic planning and organization management
- (10) Development of tools and methodology for drug and health systems
- (11) Research on consumer protection and laws at national and international levels

Applicants Qualifications:

1. Hold a Bachelor's degree in the area of medical and public health from institutions of Higher Education in Thailand or foreign countries accredited by the Office of the Higher Education Commission (OHEC) with a minimum cumulative GPA of 2.50 or equivalent.

A candidate with the degree specified above but has a GPA less than 2.50, the candidate must have experience in management related to drug and health systems, be involved with drug management in public or private sectors or has research publications related to drug system.

2. Have an English proficiency test score as the requirement of Faculty of Graduate Studies

3. Other exceptions may be considered by the Program Director and the Dean of the Faculty of Graduate Studies, Mahidol University.

Document Required:

1. Application form
2. Transcript
3. Certificate of English of proficiency
4. Statement of purpose

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***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.