

Doctor of Philosophy Program in Social and Administrative Pharmacy International Program

1. Degree Program : Doctor of Philosophy Program in Social and Administrative Pharmacy

2. Degree Offered : Doctor of Philosophy (Social and Administrative Pharmacy)
: Ph.D. (Social and Administrative Pharmacy)

3. Objectives

The curriculum aims to enable doctoral graduates in

3.1 An application of theories and concepts related to the areas of social and administrative pharmacy in generating knowledge for an for an appropriate integration of the pharmaceutical system with the health care system that is relevant to the country,

3.2 Conducting research in the areas of health and drug use behavior, health outcome evaluation as related to drug use, and managing drug-related policies,

3.3 presenting and exchanging the knowledge gained from social and administrative pharmacy at the local, national, and international levels.

4. Program Structure

Courses	Credit Number		
	Type 1 (2)	Type 2 (1)	Type 2 (2)
Compulsory courses	-	15	3
Elective courses	-	9	9
Dissertation	48	48	36
Total	48	72	48

5. Courses

5.1 Compulsory courses

5.1.1 The Type 2 (1) Program for a Bachelor’s degree student in pharmacy or health related needs a total of 15 credits as following:

620 701	Statistical Methods for Social and Administrative Pharmacy	3(3-0-3)
620 702	Research Methods in Social and Administrative Pharmacy	3(3-0-3)

620 703	Intermediate Pharmacoepidemiology	3(3-0-3)
620 704	Economics of Drug System	3(3-0-3)
991	Seminar in Social and Administrative Pharmacy I	1(1-0-3)
620 992	Seminar in Social and Administrative Pharmacy II	1(1-0-3)
620 993	Seminar in Social and Administrative Pharmacy III	1(1-0-3)
xxx xxx	Other required courses that will be opened according to the program committee	

5.1.2 The Type 2 (2) Program for a Master's degree student in pharmacy or health related needs a total of 3 credits as following:

620 991	Seminar in Social and Administrative Pharmacy I	1(1-0-3)
620 992	Seminar in Social and Administrative Pharmacy II	1(1-0-3)
620 993	Seminar in Social and Administrative Pharmacy III	1(1-0-3)
xxx xxx	Other required courses that will be opened according to the program committee	

5.2 Elective Courses

5.2.1 The Type 2 (1) Program for a Bachelor's degree student in pharmacy or health related must enroll at least 9 credits of the courses listed below.

620 852	Modeling in an Economic Evaluation of Drug Therapy	3(3-0-3)
620 853	Quality-of-Life Measures in Outcomes Research	3(3-0-3)
620 854	Management in Health and Pharmacy Organizations	3(3-0-3)
620 855	Medicine Use Behavior	3(3-0-3)
xxx xxx	Other required courses that will be opened according to the program committee	

5.2.2 The Type 2 (2) Program for a Master's degree student in pharmacy or health related must enroll at least 9 credits of the courses listed below.

620 703	Intermediate Pharmacoepidemiology	3(3-0-3)
620 704	Economics of Drug System	3(3-0-3)
620 851	Advanced Methods in Pharmacoepidemiology	3(3-0-3)
620 852	Modeling in an Economic Evaluation of Drug Therapy	3(3-0-3)
620 853	Quality-of-Life Measures in Outcomes Research	3(3-0-3)
620 854	Management in Health and Pharmacy Organizations	3(3-0-3)
620 855	Medicine Use Behavior	3(3-0-3)
xxx xxx	Other required courses that will be opened according to the program committee	

5.2.3 Dissertation

5.2.3.1	The program without course work (Type 1 (2))	48 credits
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	620 997 Dissertation	48 credits
5.2.3.2	The program with course work (Type 1 (2))	48 credits
	620 997 Dissertation	48 credits
5.2.3.3	The program with course work (Type 2 (2))	48 credits
	620 997 Dissertation	48 credits

6. Class Schedules

6.1 The Type 1(2) Program

Year 1 Semester 1

Course No.	Course title	Number of Credits
620 997	Dissertation	9

Year 1 Semester 2

Course No.	Course title	Number of Credits
620 991	Seminar in Social and Administrative Pharmacy I	1
620 997	Dissertation	9

Year 2 Semester 1

Course No.	Course title	Number of Credits
620 992	Seminar in Social and Administrative Pharmacy II	1
620 997	Dissertation	9

Year 2 Semester 2

Course No.	Course title	Number of Credits
620 993	Seminar in Social and Administrative Pharmacy III	1
620 997	Dissertation	9

Year 3 Semester 1

Course No.	Course title	Number of Credits
620 997	Dissertation	9

Year 3 Semester 2

Course No.	Course title	Number of Credits
620 997	Dissertation	9

6.2 The Type 2(1) Program

Year 1 Semester 1

Course No.	Course title	Number of Credits
620 701	Statistical Methods for Social and Administrative Pharmacy	3
620 702	Research Methods in Social and Administrative Pharmacy	3
620 703	Intermediate Pharmacoepidemiology	3

Year 1 Semester 2

Course No.	Course title	Number of Credits
620 704	Economics of Drug System	3
xxx xxx	Elective Courses	6

Year 2 Semester 1

Course No.	Course title	Number of Credits
620 998	Dissertation	6
xxx xxx	Elective Courses	3

Year 2 Semester 2

Course No.	Course title	Number of Credits
620 991	Seminar in Social and Administrative Pharmacy I	1
620 998	Dissertation	8

Year 3 Semester 1

Course No.	Course title	Number of Credits
620 992	Seminar in Social and Administrative Pharmacy II	1
620 998	Dissertation	8

Year 3 Semester 2

Course No.	Course title	Number of Credits
620 993	Seminar in Social and Administrative Pharmacy III	1
620 998	Dissertation	8

Year 4 Semester 1

Course No.	Course title	Number of Credits
620 998	Dissertation	9

Year 4 Semester 1

Course No.	Course title	Number of Credits
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620 998	Dissertation	9
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6.3 The Type 2(2) Program

Year 1 Semester 1

Course No.	Course title	Number of Credits
xxx xxx	Elective Courses	6
620 999	Dissertation	3

Year 1 Semester 2

Course No.	Course title	Number of Credits
xxx xxx	Elective Courses	3
620 991	Seminar in Social and Administrative Pharmacy I	1
620 999	Dissertation	5

Year 2 Semester 1

Course No.	Course title	Number of Credits
xxx xxx	Elective Courses	3
620 992	Seminar in Social and Administrative Pharmacy II	1
620 999	Dissertation	8

Year 2 Semester 2

Course No.	Course title	Number of Credits
620 991	Seminar in Social and Administrative Pharmacy III	1
620 999	Dissertation	8

Year 3 Semester 1

Course No.	Course title	Number of Credits
620 999	Dissertation	9

Year 3 Semester 2

Course No.	Course title	Number of Credits
620 999	Dissertation	3