

Master of Science Program in Pharmacology

Name of the degree

Full : Master of Science (Pharmacology)

Abbreviation : M.S. (Pharmacology)

Type 2 (Plan A Type A2)

Total credit a minimum of 36 credits

A. Course work: a minimum of 24 credits

1. Graduate course: a minimum of 24 credits

1.1 Field of concentration courses a minimum of 24 credits

1.1.1 Required courses 12 credits

320701 Principles of Pharmacology 4 credits

320702 Advanced Pharmacology 4 credits

320703 Literature Review for Research in Pharmacology 2 credits

320791 Seminar in Pharmacology 1 credit

320792 Seminar in Pharmacology 2 1 credit

1.1.2 Elective courses: a minimum of 6 credits

With approval of thesis advisor or advisory committee by choosing from

320711 Application of Pharmacology in 3 credits

Traditional Medical Research

320712 Adverse Drug Effects 3 credits

320713 New Drugs in Medical Practice 2 credits

320714 Molecular Cell Biology for Pharmacological Research 3 credits

320789 Selected Topics in Pharmacology 3 credits

1.1.3 Restricted elective courses: a minimum of 6 credits

By choosing the following courses from just one group in which the thesis advisor or advisory committee approves

Group1

320704 Pharmacological Research Techniques 3 credits

320705 Evaluation of Drug Actions on Organ Systems 3 credits

Group2

320706 Research in Clinical Pharmacology 3 credits

320707 Therapeutic Drug Monitoring 3 credits

1.2 Other courses (if any) None

2. Advanced Undergraduate Courses None

B. Thesis

320799 Master's thesis 12 credits

C. Non-credit course

1. The Graduate School requirement: a foreign language
2. Program requirement: none

D. Academic activities

1. Students must participate in seminars and are required to give presentations in English at least once every semester for at least two semesters (excluding courses 320791 and 320792). It is mandatory for students to participate in all seminars throughout the course of their studies.
2. A student must present his/her research data once every semester that the course is offered.
3. At least 1 master's thesis work or a part of master's thesis work must be published or at least accepted to publish in a national journal listed in TCI Tier 1 database, or full-paper publication in international conference proceedings acceptable in field of study.
4. A student has to report thesis progression to the Graduate School every semester, for approval by the Chairman of the Graduate Study Committee.

Note: Courses in the field of concentration are courses in Pharmacology PHCO...(320...)

Study plan

Plan A Type A2

First Year

	First Semester	Credits
	320701 PHCO 701 Principles of Pharmacology	4(3-3-6)
	320704 PHCO 704 Pharmacological research techniques	3(2-3-4)
or	320706 PHCO 706 Research in Clinical Pharmacology	3(2-3-4)
	Elective courses in specialization field	3
	Present and attend the seminar	0
	Total	<u>10</u>

	Second Semester	Credits
	320703 PHCO 703 Literature review for research in pharmacology	2(1-3-2)
	320705 PHCO 705 Evaluation of drug actions on organ systems	3(2-3-4)
or	320707 PHCO 707 Therapeutic drug monitoring	3(2-3-4)
	Elective courses in specialization Field	3
	Pass foreign language examination requirement	0
	Present thesis proposal	0
	Present and attend the seminar	0
	Total	<u>8</u>

Second Year

	First Semester	Credits
	320702 PHCO 702 Advanced pharmacology	4(4-0-8)
	320791 PHCO 791 Seminar in pharmacology 1	1(1-0-2)
	320799 PHCO 799 Thesis	6
	Total	<u>11</u>

Second Semester			Credits	
320799	PHCO	799	Thesis	6
320792	PHCO	792	Seminar in pharmacology 2	1(1-0-2)
			Thesis defense	
			Total	<u>7</u>