



**Master of Science in Pharmacy (Pharmaceutical Chemistry)**

**FIRST YEAR**

**First Semester**

Grade	Course Code	Course Title	Credits	Remarks
_____	Phar 220	Institutional Pharmacy Management	2	2 units lec
_____	Phar 299	Research Methods in Pharmacy	3	1 unit lec, 2 units lab
_____	Ph Ch 201	Alkaloids and Peptides	3	2 units lec, 1 unit lab
_____	Ph Ch 203	Advanced Pharmaceutical Assaying	3	2 units lec, 1 unit lab
			<i>Total:</i>	<b>11</b>

**Second Semester**

_____	Phar 275	Legal, Regulatory and Ethical Issues in Pharmacy	2	2 units lec
_____	HP 221	Instructional Design in Health Sciences Courses	3	3 units lec (cross-enroll at NTTC)
_____	Ph Ch 206	Advanced Pharmaceutical Biochemistry	3	2 units lec, 1 unit lab; Prerequisites: Ph Ch 127 & 127.1
_____	Ph Ch 285	Spectroscopic Methods in Structural Analysis	3	2 units lec, 1 unit lab
			<i>Total:</i>	<b>11</b>

**SECOND YEAR**

**First Semester**

Grade	Course Code	Course Title	Credits	Remarks
_____	Phar 297	Graduate Seminar	1	1 unit lec
_____	Ph Ch 298	Special Problems in Pharmaceutical Chemistry	3	3 units lec
_____	Elective	see list of qualified electives/cognates	3	
			<i>Total:</i>	<b>7</b>

**Second Semester**

_____	Phar 297.1	Special Topics in Pharmacy Practice	1	1 unit lec
_____	Phar 300	Master's Thesis	6	6 units
			<i>Total:</i>	<b>7</b>

**Grand Total: 36**

**Qualified Electives/Cognates**

Ph Ch 202	Polyketides, Flavonoids and Terpenoids	3	2 units lec, 1 unit lab
Ph Ch 204	Essential Oils	3	2 units lec, 1 unit lab
Ph Ch 230	Analysis of Phytomedicinals	3	2 units lec, 1 unit lab
Ph Ch 241	Molecular Pharmacology	2	2 units lec
Ph Ch 245	Environmental Toxicology in Pharmacy	2	2 units lec
Ph Ch 281	Pharmaceutical Organic Synthesis	2	2 units lec
IP 241	Advanced Biopharmaceutics	2	2 units lec; Prerequisite: IP 141