



**Faculty of Pharmacy**  
**Tabriz University of Medical Sciences**

**Ph.D Courses of Pharmaceutics**

**Table 1. Compensatory courses**

Code of the Course	Title of the Course	Number of Credits	Total Hours of the Course			Prerequisite or Concurrent Courses
			Theoretical	Practical	Total	
01	Medical Informatics Systems	1	9	17	26	-

\* In case the Medical Informatics Systems course has not been passed by the student during the PharmD or MSc program, it must be considered as a compensatory course.

**Table 2. Core courses**

Code of the Course	Title of the Course	Number of Credits	Total Hours of the Course			Prerequisite or Concurrent Courses
			Theoretical	Practical	Total	
02	Biopharmaceutics and Pharmacokinetics, Theoretical	3	51	-	51	-
03	Biopharmaceutics and Pharmacokinetics, Practical	1	-	34	34	-
04	Physical Pharmacy, Theoretical	2	34	-	34	-
05	Physical Pharmacy, Practical	1	-	34	34	-
06	Industrial Pharmacy, Theoretical	3	51	-	51	-
07	Industrial Pharmacy, Practical Project	1	-	34	34	-
08	Drug Delivery Systems (1)	2	34	-	34	-
09	Drug Delivery Systems (2)	2	34	-	34	-
10	Advanced Pharmaceutical Microbiology	2	34	-	34	-
11	Quality Control of Medicines, Theoretical	2	34	-	34	-
12	Quality Control of Medicines, Practical Project	1	-	34	34	-
13	Fundamentals and Application of Polymers in Pharmacy	1	17	-	17	-
14	Seminar 1	1			1	-
15	Seminar 2	1			1	-
16	Seminar 3	1			1	-
<b>Total</b>			<b>24</b>			

**Table 3. Non-core courses**

Code of the Course	Title of the Course	Number of Credits	Total Hours of the Course			Prerequisite or Concurrent Courses
			Theoretical	Practical	Total	
14	Advanced Pharmaceutical Statistics	2	34	-	34	-
15	Introduction to Computer Softwares	2	17	34	51	-
16	Radiopharmaceutics	2	34	-	34	-
17	Pharmaceutical Biotechnology	2	34	-	34	-
<b>Total</b>			<b>8</b>			

Students should choose 4 credits as specified by the corresponding department.