



Faculty of Pharmacy
Tabriz University of Medical Sciences

Ph.D Courses of Pharmaceutical and Food Control

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	Theoretical	Practical	Total	
01	Medical Informatics Systems	0.5	0.5	1	9	17	26	-
02	Research Methodology in Medical Sciences	2	1	3	34	34	68	-
03	Educational Processes in Medical Sciences	1	1	2	17	34	51	-

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	Theoretical	Practical	Total	
04	Pharmaceutical Microbial Control	2	1	3	34	34	68	-
05	Quality Control of Biopharmaceuticals(1)	3	-	3	51	-	51	-
06	Quality Control of Biopharmaceuticals(2)	-	2	2	-	68	68	0.5
07	Pharmaceutical Safety and Efficacy	1	1	2	17	34	51	-
08	Pharmaceutical Process Validation	1	-	1	17	-	17	-
09	Advanced Physicochemical Control of Pharmaceuticals	2	1	3	34	34	68	-
10	Analytical Method Validation	2	-	2	34	-	34	-
11	Chemical Kinetic and Stability of Pharmaceuticals	2	-	2	34	-	34	-
12	Quality Control and Quality Assurance of Pharmaceuticals	3	-	3	51	-	51	-
13	Thesis	-	-	21	-	-	-	-

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	Theoretical	Practical	Total	
14	Advanced Statistical Methods (1)	2	1	3	34	34	68	-
15	Advanced Statistical Methods (2)	2	-	2	34	-	34	14
16	Quality Control of Vaccines	1	-	1	17	-	17	-
17	Quality Control of Hygienic and Cosmetic Products	1	-	1	17	-	17	-
18	Quality Control of Disinfectants	1	1	2	17	34	51	-
19	Pharmaceutical Organizations: Structures and Regulations	2	-	2	34	-	34	-