

Guidance Curriculum for MSc. in pharmaceutical Manufacturing program Thesis Track

First Academic year

Second semester			
Course No.	Course Name	Credit hours	Type of learning
1102701	Pharmaceutical development and manufacturing (1)	3	Direct
1102706	Quality control	3	Direct
1102703	Pharmaceutical quality system	2	Direct
Total			8

First semester			
Course No.	Course Name	Credit hours	Type of learning
1102704	Regulatory affairs and intellectual property	2	Online
1102705	Good manufacturing practice	2	Online
1102730	Development and manufacturing of biological drugs	2	Online
Total			6

Summer semester			
Course No.	Course Name	Credit hours	Type of learning
1102731	Practical applications in pharmaceutical manufacturing	1	Direct
Total		1	

Second Academic year

First semester

Course No.	Course Name	Credit hours	Type of learning
1102702	Pharmaceutical development and manufacturing (2)	3	Blended
	Elective course	2	Blended
	Elective course	2	Blended
Total			7

Second semester

Course No.	Course Name	Credit hours	Type of learning	
	Elective course	2	Blended	
	Thesis in progress	0	Direct	
	Thesis	9	Direct	
	Total		9	