



**Zarqa University
Faculty of pharmacy**



Document code	Mapping Program intended learning outcomes into level descriptors of JNQF	Approval date	Revisions	
PMCC-2024-06		9-2024	No.1	10/2024

Program	Master's degree in pharmaceutical manufacturing	Department	Pharmaceutics and pharmaceutical technology
----------------	---	-------------------	---

Course Name	Program intended learning outcomes required to be achieved according to JNQF									
	Knowledge		Skills				Competencies			
	P. K1	P. K2	P. S1	P. S2	P. S3	P. S4	P. C1	P. C2	P. C3	P. C4
Pharmaceutical Development and manufacturing (1)	✓		✓	✓			✓			
Pharmaceutical Development and manufacturing (2)	✓		✓	✓			✓			
Pharmaceutical quality system		✓	✓					✓		
Regulatory Affairs and Intellectual property		✓		✓				✓		
Good Manufacturing Practice (GMP)		✓	✓					✓		
Quality control		✓		✓				✓		
Development and manufacturing of biological drugs	✓			✓			✓			
Practical applications in pharmaceutical manufacturing (students should train at least 240 hours)	✓			✓			✓		✓	
Thesis	✓		✓	✓	✓	✓	✓	✓	✓	✓