UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
FACULTY OF HEALTH SCIENCES
SECOND CYCLE – MASTER ACADEMIC STUDIES
Master of Pharamacy – 300 ECTS

CURRICULUM

No.	Course Code	Course Title	S	T	Status	Hours of Active Teaching			ECTS
						L	P	C	
1.	F01	Anatomy	1		M	2	3		7
2.	F02	Informatics	1		M	2	3		7
3.	F03	Mathematics	1		M	2	1		5
4.	F04	Business English 1	1		M	2	2		6
5.	F05	*Elective subject 1*	1		E	2	1		5
		Biology with human genetics							
		Analytical chemistry							
Total:						10	10		30
6.	F06	Physics	2		M	2	3		7
7.	F07	Inorganic Chemistry	2		M	2	3		7
8.	F08	Introduction to Pharmacy	2		M	2	1		5
9.	F09	Business English 2	2		M	2	2		6
10.	F10	*Elective subject 2*	2		E	2	1		5
		Social pharmacy							
		Application of radionuclides in biochemistry and protection measures							
Total:						10	10		30
Total Hours in the First Year of Undergraduate Academic Studies						300	300		60
SECOND YEAR									
1.	F11	Histology	3		M	2	3		7
2.	F12	Analytical chemistry	3		M	2	3		7
3.	F13	Molecular biochemical methods in pharmacy	3		M	2	1		5
4.	F14	Toxicology	3		M	2	2		6
5.	F15	*Elective subject 3*	3		E	2	1		5
		Physical Pharmacy							
		General Chemistry with Stoichiometry							
Total:						10	10		30
6.	F16	Pharmaceutical Botany	4		M	2	3		7
7.	F17	Physiology	4		M	2	3		7
8.	F18	Phytopharmacy	4		M	2	1		5
9.	F19	Cosmetology	4		M	2	2		6
10.	F20	*Elective subject 4*	4		E	2	1		5
		Physical chemistry							
		Isolation of natural medicinal substances							
Total:						10	10		30
Total Hours in the Second Year of Undergraduate Academic Studies						300	300		60
TREĆA GODINA									
1.	F21	Instrumental pharmaceutical analysis	5		M	2	3		7
2.	F22	Nomenclature of organic pharmaceuticals	5		M	2	3		7
3.	F23	Organic chemistry	5		M	2	1		5
4.	F24	Pathophysiology	5		M	2	2		6
5.	F25	*Elective 5*	5		E	2	1		5
		Application of thermal analysis in pharmacy							
		Application of informatics methods in medical biochemistry							
Total:						10	10		30
6.	F26	Analysis and control of drugs	6		M	2	3		7
7.	F27	Biochemistry	6		M	2	3		7

8.	F28	Radiopharmaceuticals	6		M	2	2		5
9.	F29	Design and modeling of drugs	6		M	2	1		6
10.	F30	*Elective 6*	6		E	2	1		5
		Pharmaceutical chemistry							
		Biochemistry of cancer							
Total:						10	10		30
Total Hours in the Third Year of Undergraduate Academic Studies						300	300		60
FOURTH YEAR									
1.	F31	Microbiology	7		M	2	3		7
2.	F32	Proteomics	7		M	2	3		7
3.	F33	Pharmaceutical technology	7		M	2	1		5
4.	F34	Pharmacogenomics	7		M	2	2		6
5.	F35	*Elective 7*	7		E	2	1		5
		Toxicology with analytics							
		Cell biochemistry							
1.	F36	Pharmacognosy	8		M	2	3		7
2.	F37	Pharmacokinetics and biopharmacy	8		M	2	3		7
3.	F38	Pharmacology	8		M	2	1		5
4.	F39	Pharmacotherapy	8		M	2	2		6
5.	F40	*Elective 8*	8		E	2	1		5
		Phytotherapy							
		Biochemistry of drugs							
Total:						10	10		30
Total Hours in the Fourth Year of Undergraduate Academic Studies						300	300		60
FIFTH YEAR									
1.	F41	Pharmaceutical ethics and legislation	9		M	2	3		7
2.	F42	Clinical biochemistry	9		M	2	3		7
3.	F43	Clinical pharmacy	9		M	2	1		5
4.	F44	Quality control of biopharmaceuticals	9		M	2	2		6
5.	F45	*Elective subject 9*	9		E	2	1		5
		Pharmaceutical management							
		Clinical chemistry with molecular diagnostics							
Total						10	10		30
6.	F46	Professional Practice	10		M		20		20
7.	F47	*Master Thesis*	10		M				10
Total:							30		30
Total Hours in the FifthYear of Undergraduate Academic Studies						150	450		60

A student who defends his master's thesis after passing all the subjects provided for in the curriculum for ten semesters receives a certificate of completion of the study program with 300 ECTS points, namely the Master of Pharmacy – 300 ECTS.