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The Ministry of Education and Science of the Kyrgyz Republic
I.K. Akhunbaev Kyrgyz State Medical Academy
Postgraduate Medical Education Division
Department of Pharmacognosy and Chemistry of Drugs

EDUCATION PLAN

for the 2020 – 2021 academic year

Pharmaceutical Chemistry and Pharmacognosy

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WITNESS

Management of human resources and

organizational work of

the Ministry of Health of KR

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«_____» _____20_____y.

APPROVE

Rector of KSMA,

Professor I.O. Kudaibergenova

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Cipher
Assigned qualification: pharmacist - analyst
Normative term of study - 1 year
Form of study - full-time

№	The name of the discipline section	Classroom work 10%		Practical activity 90%	Total 100%	Total 100%	Total 100%
		Lectures	Seminars	Practical activity	Number of hours	Total Credits	Total weeks
Special (professional) discipline – 70%							
1.	Pharmaceutical chemistry	12	12	264	288	9,6	6
2.	Pharmacognosy	12	12	264	288	9,6	6
3.	Standardization and quality control of drugs	12	12	264	288	9,6	6
4.	Toxicological chemistry	12	12	264	288	9,6	6
5.	Analytical chemistry	12	12	264	288	9,6	6
6.	Organic chemistry	2	2	44	48	1,6	1
7.	Physical and colloid chemistry	2	2	44	48	1,6	1
	Total	**64**	**64**	**1408**	**1536**	**51,2**	**32**
Allied discipline – 20%							
1.	Biochemistry	4	4	88	96	3,2	2
2.	Pharmaceutical bioethics	4	4	88	96	3,2	2
3.	Basics and modern methods of phytochemistry	4	4	88	96	3,2	2
4.	Phytotherapy in modern medicine	6	6	132	144	4,8	3
	Total	**18**	**18**	**396**	**432**	**14,4**	**9**
Elective courses (humanitarian and general education block) – 10%							
1.	Pedagogy and Psychology	9	9	132	144	4,8	3
2.	The technology of preparation of phytopreparations	4	4	88	96	3,2	2
3.	Modern information technology systems in the field of drug circulation	4	4	88	96	3,2	2
4.	Strategy for pharmaceutical drug development, structure, and international requirements	4	4	88	96	3,2	2
	Total for 2 elective courses	**13**	**13**	**220**	**240**	**8**	**5**
	Attestation (semi-annual and final state attestation)	-	-	-	**96**	**3,2**	**2**
	Total	**95**	**95**	**2024**	**2304**	**76,8**	**48**

Head of the Department of Pharmacognosy
and Chemistry of Drugs
Candidate of Pharmacy Sciences,
Associate Professor

A.D. Muratalieva