

Semmelweis University
Faculty of Pharmaceutical Sciences

The curriculum of the credit-based system in the 2020/2021 academic year for students enrolled for second year

Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
1. SEMESTER 2019/2020/1					
Total:	14	20	27+6**		
2. SEMESTER 2019/2020/2					
Total:	16	21	28+2		
3. SEMESTER 2020/2021/1					
Analytical Chemistry (quantitative) (practice)	-	4	4	General and Inorganic Chemistry II.; Analytical Chemistry (qualitative)	practical mark
Analytical Chemistry (quantitative) (theory)	4	-	4		final*
Physical Chemistry for Pharmacists (theory+practice)	2	2	4	Gen. and Inorg. Chem. II. Mathematics II. Biophysics II.	practical mark
Organic Chemistry (practice) I.	-	4	4	Gen. and Inorg. Chem. II. Analytic. Chem. (qual) Introd. to Health Inform.	practical mark
Organic Chemistry (theory) I.	4	-	4		semi-final
Physiology (practice) I.	-	1	1	Anatomy I. Biology II.	practical mark
Physiology (theory) I.	5	-	4		semi-final
Biochemistry (theory+practice) I.	1.5	1.5	2	Gen. and Inorg. Chem. II. Biology II.	practical mark
Basic Immunology (theory)	2	-	2	Biology II..	semi-final
Principles of Professional Ethics I.	-	-	-		signature
Hungarian Medical Terminology (practice) III.	-	4	2	Hungarian Medical Terminology (practice) II.	practical mark
Physical Education III.	-	1	-		signature
Elective or obligatory elective subjects	-	-	-		semi-final or practical mark
Total:	18.5	17.5	31		
4. SZEMESZTER 2020/2021/2					
Biochemistry (theory) II.	3	-	3	Biochemistry I Organic Chemistry I.	final*
Colloid Chemistry (theory+practice)	2	2	4	Phys. Chem. for Pharm. Biophysics II.	practical mark
Organic Chemistry (practice) II.	-	4	4	Organic Chemistry I.	practical mark
Organic Chemistry (theory) II.	4	-	4		final*
Physiology (practice) II.	-	1	1	Physiology I. Biochemistry I.	practical mark
Physiology (theory) II.	5	-	6		final*
Physiological Pharmaceutics and Pharmaceutical dosage forms (theory+practice)	2	2	3	Physiology I. Phys. Chem. for Pharm Hist. of Scienc.and Prop.	practical mark
Biotechnology (theory)	1	-	1	Biochemistry I.	semi-final
Physical Education IV.	-	1	-		signature
Hungarian Medical Terminology (practice) IV. GYLEKMSZG4A	-	4	2	Hungarian Medical Terminol. (practice) III.	practical mark
Pharmacy Practice I.	-	20/semester	-	Analytical Chem. (quant.) Medical Terminology	signature
Summer Practice I.	--	40	4	Organic Chemistry II. Analytical Chemistry II.	practical mark
Total:	17	14 20/sem. 4x40/sem	32		

Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
5. SEMESTER 2021/2022/1					
Pharmaceutical Chemistry (practice) I.	-	4	3	Analytical Chem. (quant.) Organic Chemistry II.	practical mark
Pharmaceutical Chemistry (theory) I.	4	-	4		semi-final
Pharmaceutical Technology (theory+practice) I.	2	3	4	Physiological Pharm. and Pharmaceutical dosage forms, Colloid Chem., Medical Terminology	practical mark
Nanotechnology (theory+practice)	2	2	4	Colloid Chemistry	practical mark
Pharmaceutical Botany (practice) II.	-	1	-	Biology II. Biotechnology Pharmaceutical Botany I.	signature
Pharmaceutical Botany (theory) II.	1	-	1		semi-final
Nutrition and Dietetics (theory)	1	-	1	Physiology II. Biochemistry II.	semi-final
Pharmaceutical Microbiology (practice)	-	2	-	Basic Immunology	signature
Pharmaceutical Microbiology (theory)	3	-	4		semi-final
Clinical-Chemistry and Laboratory Diagnostics (theory)	2	-	2	Physiology II. Biochemistry II.	semi-final
Basic Medical Pathophysiology I. (theory+practice)	2	1	2	Physiology II. Biochemistry II.	practical mark
Hungarian Medical Terminology (practice) V.	-	4	2	Hungarian Medical Terminology (practice) IV.	practical mark
Physical Education V.	-	1	-		signature
Elective or obligatory elective subjects	-	-	-		semi-final or practical mark
Total:	17	18	27		
6. SEMESTER 2021/2022/2					
Pharmacognosy (theory+practice) I.	2	4	5	Pharmaceutical Botany II.	practical mark
Pharmaceutical Chemistry (practice) II.	-	4	4	Pharmaceutical Chemistry I.	practical mark
Pharmaceutical Chemistry (theory) II.	4	-	4		final*
Pharmaceutical Technology (practice) II.	-	6	3	Pharm. Techn. I. Pharm. Chem. I.	practical mark
Pharmaceutical Technology (theory) II.	2	-	3		semi-final
Basic Medical Pathophysiology II. (theory)	2	-	2	Basic Med. Patho.I. Nutrition and Dietetics; Pharm. Microbiology	final*
Veterinary Pharmaceuticals (theory)	1	-	1	Pharm. Techn. I. Pharm. Microbiology	semi-final
Pharmacology and Toxicology (practice) I.	-	2	2	Basic Med. Patho.I. Physiological Pharm. and Pharmaceutical dosage forms	practical mark
Pharmacology and Toxicology (theory) I.	2	-	2		semi-final
Physical Education VI.	-	1	-		signature
Pharmacy Practice II.	-	20/semester	-	Pharm. Techn. I. Pharm. Chem. I.	signature
Summer Practice II.	--	40	4	Pharm. Chem. and Anal.; Pharm. Techn. II.	practical mark
Total:	13	17 20/semester 4x40/semester	30		

7. SEMESTER 2022/2023/1					
Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
Pharmacognosy (practice) II.	–	4	2	Pharmacognosy I.	practical mark
Pharmacognosy (theory) II.	2	–	3		final*
Instrumental Pharmaceutical Analysis (practice)	–	5	4	Pharm. Chem. II. Pharm. Techn. II.	practical mark
Instrumental Pharmaceutical Analysis (theory)	2	–	2		semi-final
Pharmacology and Toxicology (practice) II.	–	2	2	Basic Med. Patho. II. Pharmac. and Tox. I.	practical mark
Pharmacology and Toxicology (theory) II.	3	–	3		semi-final
Pharmaceutical Technology (practice) III.	–	8	5	Pharm. Techn. II.	practical mark
Pharmaceutical Technology (theory) III.	2	–	2		semi-final
Biological Drugs (theory)	2	-	2	Pharm. Chem. II. Pharmac. and Tox. I. Biotechnology	semi-final
Introduction to Pharmacoeconomics (practice)	-	1	1	Mathematics II. Pharmac. and Tox. I.	practical mark
Industrial Pharmaceutical Technology I.	3	0	2	Pharm. Techn. II.; Pharm.Chem.and Anal.I.	semi-final
Physical Education VII.	–	1	–		signature
Total:	14	21	28		
8. SEMESTER 2022/2023/2					
Pharmacology and Toxicology (practice) III.	–	2	2	Pharmacology and Toxicology II.	practical mark
Pharmacology and Toxicology (theory) III.	3	–	4		final*
Pharmaceutical Technology (practice) IV.	–	8	4	Pharmaceutical Technology III.	practical mark
Pharmaceutical Technology (theory) IV.	2	–	5		final*
Pharmacy Administration (theory+practice)	2	2	4	Pharmac. and Tox. II. Intr. to Pharmacoecono.	practical mark
Public Health (practice)	-	2	2	Basic Medical Pathophysiology II.	practical mark
Public Health (theory)	2	-	2		semi-final
Phytotherapy (theory)	2	-	2	Pharmacognosy II.	semi-final
Pharmaceutical management (practice)	-	1	1	Introduction to Pharmacoeconomics	practical mark
Pharmaceutical management (theory)	1	-	1		semi-final
Diploma Work I.	–	4	–	Passing all semi-finals and finals of the 7th semester	signature
Industrial Pharmaceutical Technology II.	3	0	2	Pharm. Technology III. Industrial Pharm.Tech. I.	semi-final
Physical Education VII.	–	1	–		signature
Elective or obligatory elective subjects	–	–	-		semi-final or practical mark
Total:	15	20	29		
9. SEMESTER 2023/2024/1					
Compulsory Practice Before the Board Exam I.	–	40	8	Passing all finals of the 8th semester	practical mark
Drug Therapy (theory+practice)	2	3	5	Pharmac. and Tox.III. Pharm. Techn. IV. Phytotherapy	Semi-final
Pharmaceutical Care (theory+practice)	2	3	4	Pharmac. and Tox.III. Pharm. Techn. IV.,	Semi-final
Clinical Pharmacokinetics and Biopharmacy (theory+practice)	2	3	4	Pharmac. and Tox.III. Pharm. Techn. IV.	Semi-final
Pharmaceutical Communication and Integrated Consulting (theory+practice)	1	2	2	Pharmac. and Tox.III. Pharmacy Administ.	practical mark
Pharmacy Administration (theory) II.	2	-	2	Pharmacy Administ. Pharm. Techn. IV. Public Health	final*
Pharmaceutical informatics (theory+practice)	1	1	1	Pharmacy Administ.	practical mark

Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
Clinical Pharmacy (theory+practice)	1	1	1	Pharmac. and Tox.III. Pharm. Techn. IV..	Semi-final
Pharmaceutical Ethics and Sociology (theory+practice)	1	1	1	Pharmac. and Tox.III. Hist. of Scienc.and Prop.	Semi-final
Diploma Work II.	-	5	-	Diploma Work I.	signature
Physical Education IX.	-	1	-		signature
Subject	Lecture (hour/sem..)	Practice (hour/sem..)	Credit	Prerequisites	Exam type
Pharmaceutical industrial and regulatory affairs knowledge (teaching block)	28	28	4		practical mark
Drug Licensing (theory+practice)	12	12	1	Pharmacy Administr. I. Pharmac. Techn. IV.	practical mark
Pharmacovigilance and pharmacoepidemiology (theory+practice)	4	4	1	Pharmac. and Tox. III.	practical mark
Quality Assurance (theory+practice)	4	4	1	Pharmac. Techn. IV. Pharmacy Administr. I.	practical mark
Drug innovation and clinical studies (theory+practice)	8	8	1	Pharmac. and Tox. III. Pharmac. Techn. IV.	practical mark
Elective or obligatory elective subjects	-	-	-		semi-final or practical mark
Total:	12/week 28/sem.	40/week 20/week 28/sem	32		
10. SZEMESZTER 2023/2024/2					
Compulsory Practice II.	-	40	16	Compulsory Pract. I.	practical mark
Diploma work/Thesis defense	1/sem.	-	10	Diploma Work II.	final*
Principles of Professional Ethics II.	-	-	-		signature
Total:			26		
* Counts to the qualification of the diploma					
** Obligatory electives built-in in the curriculum					

Obligatory elective subjects in the recommended curriculum

Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
Compulsory Practice Before the Board Exam I.	-	40	8	Passing all finals of the 8th semester	practical mark
Compulsory Practice Before the Board Exam II.	-	40	16	Compulsory Practice Before the Board Exam I.	practical mark
Diploma work/Thesis defense	1/sem.	-	10	Diploma Work II.	practical mark
Hungarian Medical Terminology (practice) I.	-	4	6		practical mark
Hungarian Medical Terminology (practice) IV.	-	4	2	Hungarian Medical Terminology (practice) III.	practical mark
Industrial Pharmaceutical Technology I.	3	0	2	Pharm. Techn. II.; Pharm.Chem.and Anal.I.	semi-final
Industrial Pharmaceutical Technology II.	3	0	2	Pharm. Technology III. Industrial Pharm.Tech. I.	semi-final
Total:			46		

Elective subjects in the recommended curriculum

Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Prerequisites	Exam type
Hungarian Medical Terminology (practice) II.	-	4	2	Hungarian Medical Terminology (practice) I.	practical mark
Hungarian Medical Terminology (practice) III.	-	4	2	Hungarian Medical Terminology (practice) II.	practical mark
Summer Practice I.	--	40	4	Organic Chemistry II. Analytical Chemistry II.	practical mark
Summer Practice II.	--	40	4	Pharmaceutical Chemistry and Analysis Pharm. Techn. II.	practical mark
Total:			12		