

## PREREQUISITES – GENERAL MEDICINE 2024/2025 academic year

The relationship between two subjects at the Faculty of Medicine and Dentistry can be:

- indifferent** – without prerequisites or other binding conditions
- requiring registration** - the student can sign up for the given subject concurrently or after the prior completion of a prerequisite
- requiring a prerequisite** – the student may sign up for the subject only after having completed the prerequisite

In the 2024/2025 academic year the above-mentioned study plan is valid for the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students only.

### 1<sup>st</sup> YEAR

Obligatory subjects	Requiring registration	Requiring a prerequisite
Anatomy 1 (+ Dissection Course 1)	-	-
Anatomy 2 (+ Dissection Course 2)	Anatomy 1 (+ Dissection Course 1 and 2)	-
Basic Communication Ethics for Praxis	-	-
Biochemistry 1	Medical Chemistry Biology	-
Biology	-	-
Czech I	-	-
First Aid	-	-
Histology & Embryology 1	-	-
Latin & Medical Terminology	-	-
Medical Biophysics, Biometrics & Computer Technology	-	-
Medical Chemistry	-	-
Elective subjects	Requiring registration	Requiring a prerequisite
Radiological Images of Normal Structures 1	Anatomy 1	-
Radiological Images of Normal Structures 2	Anatomy 1, 2	-
Optional subjects	Requiring registration	Requiring a prerequisite
Europe: User's Guide	-	-

### 2<sup>nd</sup> YEAR

Obligatory subjects	Requiring registration	Requiring a prerequisite	
Basic Procedures in Healthcare 1	-	all 1 <sup>st</sup> year subjects	
Basic Procedures in Healthcare 2	Basic Procedures in Health c. 1		
Basic Procedures in Healthcare – Clinical Practice	-		
Biochemistry 2	-		
Communication with a Patient in Praxis	-		
Czech II	-		
Histology & Embryology 2	-		
Medical Psychology 1, 2	-		
Microbiology 1	-		
Physiology	-		
Social Medicine & Medical Ethics	-		
Elective subjects	Requiring registration		Requiring a prerequisite
Clinical and Topographical Anatomy	-		Anatomy 1, 2
Optional subjects	Requiring registration	Requiring a prerequisite	
3D Printing in Medicine	-	-	
Basic Histochemistry	Histology and Embryology 2	Histology and Embryology 1	
DNA Profiling and Its Forensic Interpretation	-	Biology	

### 3<sup>rd</sup> YEAR

Obligatory subjects	Requiring registration	Requiring a prerequisite
Basic of Dentistry 1, 2	-	-
Czech III	-	Czech II

Epidemiological Methodology; EBM	Social Medicine & Medical Ethics Microbiology 2 Pathology	-
Internal Medicine 1	Introduction to Clinical Medicine 1	Biochemistry 2 Czech II Histology & Embryology 2 Physiology
Introduction to Clinical Medicine 1	Biochemistry 2 Histology & Embryology 2 Basic Procedures in Healthcare 1, 2	Czech I, II Anatomy 2 Basic Communication Ethics for Praxis Biology First Aid Histology and Embryology 1 Latin & Medical Terminology Medical Biophysics Medical Chemistry Physiology
Introduction to Clinical Medicine 2	Introduction to Clinical Medicine 1	Basic Communication Ethics for Praxis Biochemistry 2 Histology and Embryology 2 Latin & Medical Terminology Physiology
Medical Immunology	-	Biology Physiology
Microbiology 2	-	Microbiology 1
Obligatory Practice in General Practitioner's Office	Introduction to Clinical Medicine 1,2	-
Pathological Physiology	-	Anatomy 2 Biochemistry 2 Czech II Histology & Embryology 2 Physiology
Pathology	-	Anatomy 2 Czech II Histology & Embryology 2
Pharmacology 1	Anatomy 2 Histology & Embryology 2 Microbiology 2	Biochemistry 2 Physiology
<b>Elective subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Selected Chapters from Sports Medicine	-	-
<b>Optional subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Arts in Medicine	-	-
Microbiome and Its Role in the Human Body	-	Biochemistry 1, 2 Microbiology 1
Molecular Pathology	Pathology	Anatomy 2 Histology & Embryology 2 Czech II

**4<sup>th</sup> YEAR**

<b>Obligatory subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Basics of Digital Medicine	-	Pathological Physiology Pathology
Clinical Immunology & Allergology	Pharmacology 2	Medical Immunology Microbiology 2 Pathological Physiology Pharmacology 1
Clinical Rehabilitation	-	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Pathological Physiology Pathology
Dermatology & Venereology	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1 Medical Immunology Pharmacology 1, 2	Microbiology 2 Pathological Physiology Pathology
Public Health 1	Internal Medicine 2	Czech III Epidemiological Methodology; EBM Internal Medicine 1 Introduction to Clinical Medicine 1 Medical Psychology 2 Pathological Physiology Pathology Pharmacology 1
Exercise Medicine	-	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Pathological Physiology Pathology
Forensic Medicine	Internal Medicine 2	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Psychology 2 Pathological Physiology Pathology Pharmacology 1
Infectious Diseases 1	Internal Medicine 2	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Psychology 2 Pathological Physiology Pathology Pharmacology 1
Infectious Diseases 2	Internal Medicine 2 Infectious Diseases 1	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Psychology 2 Pathological Physiology Pathology Pharmacology 1
Internal Medicine 2	Microbiology 2 Obligatory Practice in GP Pract. Social Medicine & Medical Ethics	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Psychology 2 Pathological Physiology

		Pathology Pharmacology 1
Medical Genetics	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Immunology Microbiology 2 Pharmacology 1	Pathological Physiology Pathology
Neurology	Internal Medicine 1 Introduction to Clinical Medicine 1 Medical Immunology Microbiology 2 Pharmacology 1	Czech III Pathological Physiology Pathology
Occupational Medicine	-	Pathological Physiology Pathology
Pharmacology 2	Pathology	Microbiology 2 Pathological Physiology Pharmacology 1
Psychiatry	Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Immunology Microbiology 2 Pharmacology 1	Czech III Pathological Physiology Pathology
Radiology & Nuclear Medicine	Czech III Introduction to Clinical Medicine 1 Internal Medicine 1 Medical Immunology Microbiology 2 Pharmacology 1	Pathological Physiology Pathology
Surgery 1	Basic Procedures in Healthcare 2 Communication with a Patient in Praxis Internal Medicine 1 Introduction to Clinical Medicine 1, 2 Medical Immunology Medical Psychology 2 Microbiology 2 Pharmacology 1 Social Medicine and Medical Ethics	Czech III Pathological Physiology Pathology
Surgery – Clinical Training	-	Pathological Physiology Pathology
<b>Elective subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Basic Procedures in Healthcare 3 – Clinical Practice	-	Basic Communication Ethics for Praxis Basic Proced. in Healthcare 1 Basic Proced. in Healthcare 2 Basic Proced. in Healthcare - Clin. Pract.
Clinical Cases of Antibiotic Therapy	-	Microbiology 2 Pharmacology 1
Clinical Cases of Viral Infections	-	Microbiology 2 Pharmacology 1
Clinical Biophysics	Czech III Internal Medicine 1 Introduction to Clinical Medicine 1 Medical Immunology Medical Psychology 2 Microbiology 2	-

	Pathological Physiology Pathology Pharmacology 1 Social Medicine and Medical Ethics	
Communication Skills for Challenging Medical Situations	-	Internal Medicine 1
Interpretation of Imaging Methods Findings	Radiology & Nuclear Medicine	Pathological Physiology Pathology
Laboratory Diagnostics in Clinical Practice	-	Medical Chemistry Biochemistry 2 Pathological Physiology
<b>Optional subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Actual Epidemiological Situation in the occurrence of Infectious & Non-Infectious Diseases in Selected Countries	-	Internal Medicine 1 Microbiology 2
Animal Models of Human Diseases	-	Biology
Basics of Surgical Sutures	-	Surgery 1
Basics of Burns	-	Surgery 1
Fractures in Children	-	Internal Medicine 1 Microbiology 2 Pathological Physiology Pathology Pharmacology 1
Management of ATB Treatment according to Antibiotic Stewardship	-	Microbiology 2 Pharmacology 1
Modern Biologic and Hormonal Pharmacotherapy	Pharmacology 2	Pharmacology 1
Practical Sonography	-	Pathological Physiology Pathology
Radiopharmacy & Studies of Radiopharmaceuticals	Radiology & Nuclear Medicine	Pathological Physiology Physiology
Rare Diseases-Cases from Genetic Clinic	-	Medical Genetics
Seminars in Pathophysiology	-	Pathological Physiology

**5<sup>th</sup> YEAR**

<b>Obligatory subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Anaesthesia & Intensive Care	Emergency Medicine	Pharmacology 2 Surgery 1
Clinical Oncology	Czech III Internal Medicine 1 Introduction to Clinical Medicine 2 Medical Immunology Medical Psychology 2 Microbiology 2 Obligatory Practice in GP Pract. Pharmacology 1 Social Medicine and Medical Ethics	Pathological Physiology Pathology
Emergency Medicine	-	Surgery 1
Public Health 2	-	Forensic Medicine Internal Medicine 2 Pharmacology 2 Public Health 1
Public Health SRE	Public Health 2 Medical Law	Forensic Medicine Public Health 1 Social Medicine & Medical Ethics
Gynecology & Obstetrics 1	Surgery 1	Czech III Pathological Physiology Pathology
Gynecology & Obstetrics – Clinical Training	Gynecology and Obstetrics 1 Surgery 1	Pathological Physiology Pathology
Internal Medicine 3	-	Internal Medicine 2 Pharmacology 2
Medical Law	-	Forensic Medicine Internal Medicine 2 Pharmacology 2 Public Health 1
Neurosurgery	-	Introduction to Clinical Medicine 1, 2 Neurology Surgery 1
Ophthalmology	Basic Procedures in Healthcare-Clin. Pr. Czech III Internal Medicine 1 Introduction to Clinical Medicine 1 Medical Immunology Medical Psychology 2 Microbiology 2 Pathological Physiology Pathology Pharmacology 1 Social Medicine & Medical Ethics	-
Orthopedics	-	Internal Medicine 2 Introduction to Clinical Medicine 1, 2 Neurology Occupational Medicine Pharmacology 2 Radiology & Nuclear Medicine Surgery 1
Otorhinolaryngology	Surgery 1	Czech III Pathological Physiology Pathology
Pediatrics	-	Microbiology 2

		Pharmacology 2
Pediatrics SRE	Pediatrics	Microbiology 2 Pharmacology 2
Urology	-	Surgery 1
<b>Elective subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Clinical Pharmacology	Pharmacology 2	Pharmacology 1 Pathological Physiology
<b>Optional subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Advanced Trauma Life Support Principles	-	Surgery 1
Hand & Wrist Surgery	-	Surgery 1
Oncological Emergencies	Clinical Oncology	Internal Medicine 1, 2 Introduction to Clinical Medicine 1, 2
Psychiatry & Psychotherapy in the Movies	Psychiatry	Medical Psychology 2

#### 6<sup>th</sup> YEAR

<b>Obligatory subjects</b>	<b>Requiring registration</b>	<b>Requiring a prerequisite</b>
Acute Conditions in Medicine	Pediatrics SRE	Anesthesia & Intensive Care Internal Medicine 3 Microbiology 2 Neurology Pharmacology 2 Radiology & Nuclear Medicine Surgery 1
General Practical Medicine	-	Gynecology & Obstetrics - Clinical Training Internal Medicine 3 Surgery - Clinical Training
Gynaecology & Obstetrics 2	Gynecology & Obstetrics - Clinical Training	Gynecology & Obstetrics 1
Gynaecology & Obstetrics - SRE	Gynecology & Obstetrics 2 Gynecology & Obstetrics - Clinical Training	Gynecology & Obstetrics 1
Internal Medicine 4	-	Internal Medicine 1, 2, 3 Introduction to Clinical Medicine 1, 2
Internal Medicine - SRE	Internal Medicine 4 Obligatory Practice in General Practitioner's Office	Basic Procedures in Healthcare 2 Internal Medicine 1, 2, 3 Introduction to Clinical Medicine 1 Occupational Medicine
Mandatory Clinical Training in Selected Medical Specialty	Gynecology & Obstetrics - Clinical Training Surgery - Clinical Training	-
Surgery 2	-	Anesthesia & Intensive Care Orthopedics Neurosurgery Surgery - Clinical Training
Surgery - SRE	Surgery 2 Surgery - Clinical Training	Surgery 1 Anaesthesia & Intensive Care