

Internal Medicine

1. PREREQUISITES

Prerequisites for taking the course: fulfillment of all study requirements of the 3rd and 4th year. The knowledge of pathology, pathophysiology and pharmacology topics discussed in the 3rd and 4th year courses as well as general and special pathology and general and special pharmacology.

2. CLINICAL INTERNSHIP

During clinical training, the demonstration of the patient will be focused on improving skills in taking patient's history and physical examination, interpretation of clinical and laboratory findings and therapy assessment. Bedside teaching: 6x5 lessons in one of the internal medicine subspecialties (cardiology, nephrology, diabetology and endocrinology, haematology, gastroenterology, pneumology, oncology and occupational medicine).

The internship sites: Departments of the University Hospital Královské Vinohrady and other Prague hospitals.

Clinical training: daily after 1:30 pm (depends on the department). Duration: 90 minutes. Bedside teaching: block 1: week 1-5, block 2: week 6-10, block 3: week 11-15. Signing-up for the bedside teaching will be announced by the Study Department.

Students can subscribe strictly for 2 clinical lessons a week, i.e. the training in one subspecialty will take 5 weeks. In each block, students may attend two subspecialties only. It is strongly recommended to cover as many subspecialties as possible.

Other requirements for the bedside teaching: clean white coat, stethoscope, indoor shoes depending on the instructions of a given hospital department. Students are strictly reminded not to attend bedside teaching if having respiratory or gastrointestinal infection. Alternative dates for missed lessons may be arranged with the concrete teacher. Students are obliged to perform hand hygiene and to follow instructions of the department, where the internship is taken.

3. CREDIT

The subject Internal medicine I will be completed by obtaining the credit.

The credit will be achieved after completion of internships of both semesters. To obtain the credit, students must complete at least 24 internships (80% of lessons). Confirmation of attendance will be registered electronically.

Students who plan to complete part of the internal internships within the ERASMUS program abroad must fill in the prescribed application form in advance (the form is available at the Study Department of the Dean's Office of the 3rd Faculty of Medicine) and submit it to the Secretariat of the Internal Clinic of the 3rd Faculty of Medicine, Charles University and FNKV, building N, 3rd floor (Mrs. B. Jajová). Applications will be approved by Prof. Kraml (guarantor of the Internal Medicine I). Students leaving for the entire 5th year must complete at the foreign university all 30 teaching units.

Literature:

Parveen Kumar & Michal Clark: Clinical Medicine Harrison's Principles of Internal Medicine
Gerd Herold: Innere Medizin

Surgery

Teaching surgery in the 5th year consists of completing a mandatory course and an internship at the Department of Transplantation Surgery, IKEM (Videňská 1958/9, 140 21, Prague 4) and completing 2 days of internships at the surgical departments – one weekend stay (Saturday and Sunday) at the surgical emergency – outpatient department of the Surgical Department University Hospital Královské Vinohrady (one day) and Department of Pediatric and Trauma Surgery, Thomayer Hospital (one day).

Medical students should personally follow the work of a surgeon in the surgical emergency. Students will take a part in the surgical emergency during weekends, every time after a deal made with the teacher. Moreover, students can participate in acute operations performed at this time

Weekend stay in surgical emergency is possible for maximally 2 students. Students can participate in work on emergency as well as in acute operations performed at this time.

The course and internship at the Department of Transplantation Surgery IKEM is a one-day course held within individual study groups on Fridays according to the current 3rd LF schedule.

The students must pick up the credit form (card) at the secretary of the Department of Surgery Mrs. Hamouzová.

To get the credit: fulfill one-week stay (Saturday + Sunday 8,00 – 20,00) in the emergency of the department of surgery (100% participation necessary) during the whole academic year.

Credits will be given at the Department of Surgery.

Orthopaedics

1. Interactive case study seminars (Monday, 14,00-15,30):

Each student completes three seminars in any week of their choice. They must register no later than the previous week. There can be a maximum of 35 students in one seminar.

Semester

Winter	Degenerative spine	Skála-Rosenbaum
	Osteoarthritis and arthroplasty	Ježek
	Multiple trauma	Pazour/März
	Spinal cord injury, spinal program	Kříž
	Open fractures	Malér
Summer	Forearm and hand fractures	Korpa
	Knee injuries	Kašák/Bartoška
	Traumatology and war	Bartoš/Korpa
	Developmental dysplasia of the hip	Zídka
	Pelvic and acetabular fractures	Šrám/Marvan

2. Night duty (Monday + even weeks on Thursday 15,30-20,30):

Work in traumatological emergency, practical training in the operating theatre

Winter: 1.-19. week

Summer: 1.- 23. + 28.-31. week

Each student completes one internship at a trauma clinic in the winter or summer semester, at their own discretion. They must always register no later than the previous week. There can be a maximum of two students on one internship.

3. Outpatient dept. (Monday 14,30-15,30 + even weeks on Thursday) – pavilon “H” Department of Radiology and Nuclear Medicine :

Work in sonograph outpatient dept. – Jakub Ježek, MD

Winter 1.-19. week

Summer 1.-23. + 28.-31. week

Each student completes one internship at the sonography clinic in the winter or summer semester, at their own choice. They must always register no later than the previous week. There can be a maximum of two students on one internship.

List of recommended literature:

D.J. Dandy, D.J. Edwards: **Essential Orthopaedics and Trauma**. 5th edition. Churchill Livingstone Elsevier, 2009

P. Douša et al.: **Selected chapters in orthopedics and traumatology for medical students**. Karolinum 2023

T. Duckworth, C.M. Blundell: **Orthopaedics and Fractures**. 4th edition. Wiley-Blackwell, 2010

D.L. Hamblen, H. Simpson: **Adams's Outline of Orthopaedics**. 14th edition. Churchill Livingstone, 2010

M. Hochberg et al.: **Rheumatology**. 6th edition. Elsevier Mosby, 2015

T.O. White et al.: **McRae's Orthopaedic Trauma and Emergency Fracture Management**. 3rd edition. Elsevier, 2016

Urology

Coordinator: MUDr. Jindřich Šonský, FEBU, jindrich.sonsky@fnkv.cz

MUDr. Alexandra Gregušová, alexandra.gregusova@fnkv.cz

Tuition runs from 13.30 to 15.00 in building H FNKV and building B4 FTN for details see particular Practice or Seminar.

White coat and clean shoes are needed for Practices.

Tuition in fifth year continues to the theoretical block of Urology within NURG in previous year.

To obtain the credit it is necessary to attend 2 courses from all. Choose them according your preference.

Paediatrics

Bedside teaching of Paediatrics:

All students must wear white cloaks with name-tag attached and have their own stethoscope. In FNKV it is not necessary to change one's shoes, in hospital Bulovka it is necessary (there are available one-off sleeves in the hospital).

Student cloakroom in FNKV is situated on the lower ground floor – room S.17. The key is located at the reception desk of the Dept. of Paediatrics – ground floor building M.

Bedside teaching with Dr. Peychl and Dr. Říhová takes place in Bulovka Hospital, Dept. of Paediatrics,

Building 15. There is also situated the student cloakroom.

Teaching of Neonatology:

The students will meet at 14:30 on the 2nd floor of the Institute for the Care of Mother and Child (pediatric secretary), Podolské nábřeží 157, 147 00 Prague 4.

Attending one neonatology bedside teaching session is a prerequisite for credit.
Neonatology tutor: prof. MUDr. Zbyněk Straňák, CSc., MBA

Teaching of paediatric intensive care:

The students will meet at 13:30 Oddělení dětské intenzivní péče Fakultní Thomayerovy nemocnice (building B4), Vídeňská 800, 140 59 Prague 4.

Attending one bedside teaching session is a prerequisite for credit.

Tutor: MUDr. Pavel Heinige

Conditions of CREDIT:

All students must be present on **7 bedside sessions of paediatrics, 1 bedside session of neonatology, 1 bedside session of paediatric intensive care, 1 bedside session during emergency shift** and must attend **8 seminars from paediatrics, minimally**.

Person responsible for teaching Paediatrics:

MUDr. David Marx, Ph.D.; e-mail: david.marx@lf3.cuni.cz

Clinical genetics

Requirements for credit:

- fulfilment of eight credits (8 seminars or 8 seminar works, arbitrary combination)
- attendance of the clinical practice in Thomayer Hospital
- passing the test at minimum 60 points (terms of tests are provided in the schedule)

Thomayer Hospital; www.ftn.cz Vídeňská 800, Praha 4, Pavilion U

Ústav mateřství bus station – bus No. 138, 193, 203

Dept. of Medical Genetics: head MUDr. Martina Langová, Ph.D.; martina.langova@ftn.cz

Dept. of Pediatric Neurology: teacher: MUDr. Matúš Bašovský, matus.basovsky@ftn.cz

Friday 13.00 – 16.30, number of students 20

ZS: groups 1,3: 6.11., 20.11., 11.12.

LS: groups 2,5,6: 16.4., 14.5., 18.6.

