

Internal Medicine

INTERNAL MEDICINE I, 5TH YEAR

Academic Year 2024 / 2025

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 actual department). Duration: 90 minutes. Subspecialty 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 1 clinical lesson a week, i.e. the training in one subspecialty will take 5 weeks. In each block, students may attend one subspecialty only. Just the ERASMUS students may complete 2 internal subspecialties a week, i.e. 2 clinical lessons in 2 subspecialties weekly. It is strongly recommended to cover as many subspecialties as possible. Attendance sheet: available at the secretariat of the Clinic of Internal Medicine (building N, 3rd floor) at the beginning of the semester.

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 upon delivering the attendance sheet to the box of the Secretariat of the Internal Clinic of the 3rd Faculty of Medicine, Charles University and FNKV, building N, 3rd floor (make a copy beforehand). To obtain the credit, students must complete at least 24 internships (80% of lessons). Confirmation of attendance must be always registered in the Internal medicine 5th year sheet – teacher's signature and stamp.

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. 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

Prof. MUDr. Pavel Kraml, Ph.D.

Guarantor of the Internal Medicine I

Surgery

Teaching surgery in the 5th year consists of completing a mandatory course and an internship at the Department of Transplantation Surgery, IKEM (Václavská 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 3 seminars during the academic year. The maximum number of students in one seminar is 34.

Semester	Week	Topic	Teacher
Winter	3.	Degenerative spine	Klézl/Skála
	6.	Osteoarthritis and arthroplasty	Ježek
	9.	Multiple trauma	Pazour/Macák
	12.	Spinal cord injury, spinal program	Kříž
	15.	Open fractures	Klézl/Korpa
Summer	1.	Forearm and hand fractures	Čech
	4.	Knee injuries	Kašák/Bartoška
	8.	Traumatology and war	Bartoš/Korpa
	11.	Developmental dysplasia of the hip	Zídka
	14.	Pelvic and acetabular fractures	Šrám/Marvan

2. Night duty (Monday + even weeks on Thursday 16,00-21,00):

Work in traumatological emergency, practical training in the operating theatre

Winter: 1.-19. week

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

Each student completes one night duty in the winter or the summer semester with a teacher according to his/her own choice. They will register no later than by Friday of the preceding week. The maximum number of students in one practical training is 2.

3. Outpatient dept. (Monday 13,30-15,00 + even weeks on Thursday) – pavilon “M”:

Work in sonograph outpatient dept. – Jakub Ježek, MD

Winter 1.-19. week

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

Students will complete one practical training in the sonography outpatient department in the winter or summer term with a teacher according to their own choice. They will register no later than by Friday of the preceding week. The maximum number of students in one practical training is 2.

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

Requirements for Paediatrics

academic year 2024/2025

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 15:30 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

Conditions of CREDIT:

All students must be present on 10 bedside sessions of Paediatrics and 1 bedside session of Neonatology.

+ must attend 10 seminars from paediatrics.

Person responsible for teaching Paediatrics:

Dr. David Marx: david.marx@lf3.cuni.cz

Clinical genetics

Requirements for credit:

- fulfilment of eight credits (8 seminars or 8 seminar works, and all can be arbitrarily combined)
- attendance of the Dept. of Medical Genetics in Thomayer Hospital (if the week before the practical training will not stay logged on one, it will not take place)
- passing the test at minimum 60 points (terms of tests are provided in the schedule), consultation and looking for texts take place in one week after the test.

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

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

Teacher: MUDr. Natálie Friedová, natalie.friedova@ftn.cz

Wednesday 14.00 – 17.30, number of students 7

How to get there: Pavilion U, bus station Ústav mateřství - BUS No. 138, 193, 203

Gynaecology and Obstetrics

Teaching is in the form of a weekly practical training (FNKV or ÚPMD Podolí according to the timetable) and 5 seminars.

The weekly block is complemented by "**night internship at the delivery room**". The student will document this practice by delivery report printed by attending physician. Delivery room - "night" - according to SIS schedule (max 2 students per day)

Dates at ÚPMD Podolí - Tuesday, Thursday - beginning at 5 PM or Saturday beginning at 8 AM (the student will report in medical uniform to the attending physician in delivery room – 4th floor)

Dates at FNKV - Tuesday, Thursday - beginning at 5 PM or Saturday beginning at 8 AM (the student will report in medical uniform to the attending physician in the delivery room (2nd floor)

(Students are registering for the practical training through SIS, they can cancel their attendance due to exceptional reasons max. 48 hours before the practice, excuse and justification of their absence must be sent by e-mail to ObGyn secretary Mrs. Henslová - dasa.henslova@lf3.cuni.cz)

Practical training and seminars are held in parallel by FNKV and ÚPMD Podolí according to the study circle schedule. The credit will be granted based on the attendance records, seminar paper about observed surgery, outpatient case or labour + confirmation of night practical training. Seminar paper serves as a part of the State Exam and its analysis is the first question

of the exam. It has to be typed, max. 3 standard pages long, font size 10-12 + attached copy of outpatient examination or copy of surgical protocol. The ObGyn practice in the 5th year **can be replaced by Erasmus abroad program** after prior approval by the head of the ObGyn practice. Proof of assistance during surgery, delivery report and seminar paper is a prerequisite for granting credit to Erasmus students as well.