

Program of Study	:	General Medicine
Course	:	Introduction to Clinical Medicine I
Abbreviation	:	IN0/VAA11
Schedule	:	45 hours of lectures (internal propedeutics) 10 hours of seminars (anatomy) 45 hours of practical training (internal propedeutics)
Course Distribution	:	3rd year, 5th term
Number of Credits	:	5*
Course Form	:	Seminars and practical trainings.

Seminars:

Coordinators:	MUDr. K. Nováková MUDr. M. Vetešník Prof. MUDr. J. Ehrmann, CSc.
Teachers:	Prof. MUDr. M. Tábořský, CSc., FESC, FACC, MBA Prof. MUDr. T. Papajík, CSc. Prof. MUDr. E. Faber, Ph.D. Prof. MUDr. P. Horák, CSc. Prof. MUDr. D. Karásek, Ph.D. Doc. MUDr. J. Bačovský, CSc. Doc. MUDr. Mgr. J. Minařík, Ph.D. Doc. MUDr. L. Kunovský, Ph.D. Doc. MUDr. V. Procházka, Ph.D. MUDr. A. Smékal, Ph.D. MUDr. F. Kováčik MUDr. M. Čerňan MUDr. V. Doupal, Ph.D. MUDr. J. Galuszka, Ph.D. MUDr. S. Genzor, Ph.D. MUDr. P. Jakubec, Ph. D MUDr. J. Vácha MUDr. J. Olšr MUDr. E. Mázsárová MUDr. P. Krhovská MUDr. J. Kultán MUDr. J. Orság, Ph.D. MUDr. M. Skácelová, Ph.D. MUDr. J. Zatloukal, Ph.D. MUDr. K. Žamboch, Ph.D. MUDr. M. Žurková, Ph.D. MUDr. J. Schovánek, Ph.D. MUDr. L. Cibičková, Ph.D.

MUDr. J Videman
MUDr. V. Hanáčková
MUDr. A. Skoumalová

Lectures are held on wednesday at 10:15 - 11:45

21. 9. 2022
29. 9.2022 – 5. 1. 2023

Department of Pediatrics Lecture Hall
TU - Big Lecture Hall

	Date	Content	Hours	Teacher
1.	21. 9. 2022	The most frequent signs of internal diseases. A patient's overall examination.	2	Nováková (Vetešník)
2.	28. 9. 2022	Physical examination methods. Head and neck examination.	2	HOLIDAY
3.	5. 10. 2022	Symptoms of pulmonary diseases. Thorax and lung examination (I).	2	Genzor
4.	12. 10. 2022	Thorax examination (II). Symptoms of heart disorder.	1 1	Zatloukal Doupal (Vácha)
5.	19. 10. 2022	Physical examination in cardiology.	2	Vácha (Doupal)
6.	26. 10. 2022	Examination in angiology. Symptoms and examination methods. Examination of heart rate, blood pressure.	2	Kováčik (Smékal)
7.	2. 11. 2022	Examination in gastroenterology. Symptoms. Physical examination of abdomen.	2	Procházka (Nováková)
8.	9. 11. 2022	Examination in hepatology, of the gallbladder, the biliary tract and the pancreas. Symptoms, physical examination, laboratory examination.	2	Kunovský (Nováková)
9.	16. 11. 2022	Genitourinary system examination. Examination of kidneys, urinary tract – bladder, genitals. Laboratory examination.	2	Žamboch (Orság)
10.	23. 11. 2022	Locomotion system examination.	2	Horák

		Examination of upper and lower extremities and spinal column. Laboratory examination in rheumatology.		(Videman, Skoumalová, Skácelová)
11.	30. 11. 2022	Examination in endocrinology. Symptoms. Physical and laboratory examination.	2	Schovánek (Cibičková)
12.	7. 12. 2022	Examination in haematology. Symptoms. Physical and laboratory examination.	2	Faber (Bačovský)
13.	14. 12. 2022	Basic auxiliary investigations in pulmonology (X ray, spirometry, bronchoscopy, examination of sputum and other laboratory examinations).	2	Kultan (Žurková)
14.	21. 12. 2022	Basic auxiliary investigations in cardiology (X ray, ECG, echocardiography, laboratory examination). Telemedicine.	2	Galuszka (Flaščík)
15.	4. 1. 2023	Health and disease, the cause of a pathologic state.	2	Nováková

Seminars (anatomy):

Teacher RNDr. M. Kutal, CSc.

Seminars are held on monday at 15:05 – 15:50, Big Lecture Hall following the schedule

	Date	Content	Hour	Teacher
1.	19. 9. 2022	Surface anatomy. Face, scalp, skull.	1	Kutal
2.	26. 9. 2022	Anterior and posterior triangle of the neck.	1	Kutal
3.	3. 10. 2022	Walls of the thorax. Pleurae. Lungs.	1	Kutal
4.	10. 10. 2022	Heart and pericardium.	1	Kutal
5.	17. 10. 2022	Superior and posterior mediastina.	1	Kutal
6.	24. 10. 2022	Anterior abdominal wall and scrotum.	1	Kutal
7.	31.10. 2022	Abdominopelvic cavity	1	Kutal
8.	7. 11. 2022	Stomach, liver, and related structures.	1	Kutal
9.	14. 11. 2022	Back and scapular regions. Axilla and pectoral region.	1	Kutal
10.	21. 11. 2022	Posterior abdominal structures. Male and female pelvis.	1	Kutal

Practical trainings:

Clinical mini-lecture: 13.00-13.45

Wednesday: New Building, room TD 2.520**Thursday: New Building, room TD 2.520 odd week, TD 2.521 even week**

Practical training: 14.00-16.15

Supervisors of practical trainings:MUDr. D. Hexspoor Bawadekji
prof. MUDr. J. Ehrmann, CSc.**Coordinators of practical trainings:**

- 1IK - cardiology: MUDr. V. Doupal, Ph.D. (MUDr. J. Vácha)
- 2IK – gastroenterology: MUDr. D. Hexspoor Bawadekji (prof. MUDr. J. Ehrmann, CSc.)
- 3IK – nephro-, rheumato-, endocrinology: MUDr. V. Klementa (MUDr. J. Schovánek, Ph.D.)
- Haemato-oncology: doc. MUDr. Mgr. J. Minařík, Ph.D., (prof. MUDr. V. Procházka, Ph.D.)
- Department of Respiratory Medicine: MUDr. S. Genzor, Ph.D. (MUDr. M. Žurková, Ph.D.)

M: Clinical mini-lecture**P: Practical training**

	Date	Content	Clinical mini-lecture Hours 1	Practical training Hours
1	21. 9. 2022 22. 9. 2022	M: Communication between physician and patient. Medical history. P: Basic medical documentation. Demonstration and practical training of medical history investigation.	Nováková	3
2	28. 9. 2022 HOLIDAY 29. 9. 2022	M: The most frequent signs of diseases. Evaluation of overall condition of a patient. P: Demonstration and practical training, evaluation of patient's overall condition. Write clinical notes.	Ehrmann	3
3	5. 10. 2022 6. 10. 2022	M: Inspection, palpation, percussion, auscultation. Head and neck examination. P: Demonstration and practical training of inspection, palpation, percussion, auscultation. Physical examination of head and neck. Write clinical notes.	Nováková (Vetešník)	3
4	12. 10. 2022 13. 10. 2022	M: <u>Centesimo lecture:</u> The most important signs and symptoms of pulmonary diseases. Physical examination of thorax and lungs. P: Demonstration and practical training of lung and chest physical examination. Write clinical notes.	Genzor	3

5	19. 10. 2022 20. 10. 2022	<p>M: The most important signs and symptoms of cardiovascular diseases.</p> <p>P: Medical history investigation concentrated on heart diseases. Physical examination of patient's overall state, head, neck, chest and lungs. Write clinical notes.</p>	Doupal (Vácha)	3
6	26. 10. 2022 27. 10. 2022	<p>M: <u>Centesimo lecture:</u> Physical examination of heart including pathologic findings on valves, myocardium and pericardium.</p> <p>P: Demonstration and practical training of physical examination of heart. Medical history investigation and physical examination. Write clinical notes.</p>	Flašík/ Rada/Olšr/ Mázsárová	3
7	2. 11. 2022 3. 11. 2022	<p>M: The most important signs and symptoms of vessel diseases. Physical examination of arterial, venous and lymphatic system. Examination of heart rate, blood pressure.</p> <p>P: Demonstration and practical training of physical examination of arterial, venous and lymphatic system. Medical history investigation and physical examination. Write clinical notes.</p>	Kováčik (Smékal/ Kvapil)	3
8	9. 11. 2022 10. 11. 2022	<p>M: <u>Centesimo lecture:</u> Signs and symptoms of gastrointestinal diseases. Physical examination of abdomen (inspection, palpation, percussion, auscultation). Basic laboratory examination in gastroenterology.</p> <p>P: Demonstration and practical training of physical examination of abdomen. Medical history investigation and physical examination. Write clinical notes.</p>	Nováková (Vetešník)	3
9	16. 11. 2022 17. 11. 2022 HOLIDAY	<p>M: Signs and symptoms of liver diseases, diseases of gallbladder and pancreas. Physical examination of liver, gallbladder and pancreas. Examination in hepatology.</p> <p>P: Demonstration and practical trainings of physical examination of liver, gallbladder and pancreas. Medical history investigation and physical examination. Write clinical notes.</p>	Ehrmann (Nováková)	3
10	23. 11. 2022 24. 11. 2022	<p>M: Signs and symptoms of urogenital system disorder. Examination of kidneys and urinary tract. Examination in nephrology.</p> <p>P: Demonstration and practical training of examination in nephrology. Medical history investigation and physical examination. Write</p>	Žamboch (Orság)	3

		clinical notes.		
11	30.11.2022 1. 12. 2022	M: Signs and symptoms of rheumatic diseases. Demonstration and practical training of physical examination of locomotion system, spine included. Basic laboratory examination in rheumatology. P: Demonstration and practical training of physical examination in rheumatology. Medical history investigation and physical examination. Write clinical notes.	Skácelová (Videman, Skoumalová,)	3
12	7. 12. 2022 8. 12. 2022	M: Signs and symptoms of endocrine diseases. Physical examination and basic laboratory examination in endocrinology. P: Demonstration and practical training of physical examination in endocrinology. Completing the clinical file.	Schovánek (Cibičková)	3
13	14. 12. 2022 15. 12. 2022	M: Signs and symptoms of hematologic diseases. Physical examination of skin, mucosa, lymph nodes and spleen. Basic examination methods in haematology. P: Demonstration and practical training of physical examination of skin, mucosa, lymph nodes and spleen. Completing the clinical file No. I. for the colloquium.	Hanáčková (Procházka)	3
14	21. 12. 2022 22. 12. 2022	M: Basic principles and indications of auxiliary methods in pulmonology (X-ray, spirometry, bronchoscopy, sputum examination and other laboratory examinations). P: Completing the clinical file No. II for the colloquium.	Genzor	3
15	4.1. 2023 5.1. 2023	M: Basic principles and indications of auxiliary methods in cardiology (X-ray, ECG, echocardiography and other laboratory examinations). Basic diagnostic algorithms in cardiology. P: Colloquium. Evaluation forms.	Galuszka (Flašík)	3

Colloquium and exam

- a) The student knows how to conduct a complete physical examination.
- b) The student has handed in 2 complete clinical files, discussing medical and formal content.
- c) The student has handed in their Attendance Sheet, proving active attendance at 13 seminars, 13 clinical mini-lectures and 13 practical trainings.

The colloquium is verified by the coordinators at your assigned internal clinic.

Requirements for the exam:

- a) The student has passed the colloquium.
- b) During the oral examination, the student has responded to three randomly assigned questions in a satisfactory manner.

Exam dates will be put in STAG by the clinic coordinators at the end of the semester. The students will be graded A to F.

Recommended literature:

1. <https://www.alza.cz/media/internal-propedeutics-d2707922.htm>
2. Chrobák L., Gral T., Kvasnička J.: Physical Examination Internal Medicine. Grada Publishing spol. s r. o., Praha, 2003 (reprint), Czech Republic, ISBN 80-247-0617-2.
3. Macleod, J., Munro J. F., Campbell, I. W.: Macleod's Clinical Examination. 10th ed., Churchill Livingstone, 2000, ISBN 0443061866 (International student ed.).
4. Rosolová H., Karlíček V.: Clinical examination in internal medicine manual for lessons in internal propedeutics for English speaking foreign students examining Czech patients. Karolinum, Praha, 2009, 2nd, rev. ed. ISBN 978-80-246-1658-2
5. Zelenková J., et al: Internal propaedeutic workbook. Triton, Praha 2009. ISBN 978-80-7387-186-4.

MUDr. Karolína Nováková
MUDr. Marek Vetešník
Prof. MUDr. Jiří Ehrmann, CSc.