

## Plan of the course

# History Taking and Physical Examination

Academic year **2016/2017**

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prof. dr. sc. Željko Krznarić

## **I. COURSE AIMS**

History taking and physical examination represents the introduction to clinical medicine. The aims of the course are: introducing the student with the terminology, ethics, the way of collecting relevant information and the generic skills of physical examination.

The complexity of the course manifests within the collecting data and contacting with the non-English speaking patients. For this reason, **it is necessary for students to learn basics of Croatian language, especially the terminology regarding symptoms and signs of diseases.** The course consists of the standard lectures and seminars. Seminars are characterized by interaction, which enables the students to approach issues and problems more elaborately, as well as to clarify the ambiguous terminology.

Practicals make the most important part of this course and they last throughout the whole academic year enabling the students and the teaching staff to prepare more adequately, emphasizing the importance of relevant clinical examples.

At the end of the course the student must be trained for independent and logical data collecting, as well as for standard physical examination. Successful completion of the course is a prerequisite for enrolment into «Internal Medicine» course.

- To learn the meaningful approach to the case history, physical examination and clinical way of making a decision in clinical medicine.
- To learn how to interview the patient and take the health history.
- To learn how to carry out the status and how to differentiate normal findings and disturbances.
- To learn the typical findings and special techniques of assessment in specific instances.
- To learn how to present patients verbally.
- To prepare concise and clear medical findings in propedeutics.
- To learn how to formulate the differential diagnosis.
- To learn how to order and interpret findings of usual examinations which are being used in diagnostics of common diseases.
- To understand the principles of treatment of more frequent diseases.
- To encourage the independent gaining of knowledge.

## **II. COURSE STRUCTURE**

### **Course hours:**

Lectures: 29

Seminar: 25

Special clinical practicals: 81

**Total hours: 135**

## **III. PLAN OF THE COURSE AND COURSE SCHEDULE**

### **BLOCKS OF THE COURSE**

Number of blocks: 1

Block number	Start	End
1.	26.9.2016	21.4.2017

## BLOCKS OF THE COURSE SCHEME

### Block 1

Date	Time	Group	Course hours type	Theme	Teaching staff
Thursday 29.9.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Introduction to clinical medicine	prof. dr. sc. Željko Reiner
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	History taking and physical examination - yesterday and today	prof. dr. sc. Željko Reiner
Friday 30.9.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 6.10.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Comprehensive history taking	prof. dr. sc. Željko Reiner
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	Introduction to hospital and hospital work; appropriate behavior towards colleagues and patients	prof. dr. sc. Željko Reiner
Friday 7.10.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 13.10.2016.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	Basics of medical deontology and ethics.	akademik Davor Miličić
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	Ethical issues in medial medicine	akademik Davor Miličić

Date	Time	Group	Course hours type	Theme	Teaching staff
Friday 14.10.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 20.10.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Medical terminology	akademik Davor Miličić
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	Croatian medical terminology and contact with patients	akademik Davor Miličić
Friday 21.10.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 27.10.2016.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	Basic of physical examination (PE)	izv. prof. dr. sc. Radovan Radonić
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	1. Basic of physical examination (PE)	izv. prof. dr. sc. Radovan Radonić
Friday 28.10.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 3.11.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Physical examination – General survey	doc. dr. sc. Ivan Gornik
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	2. Vital signs	doc. dr. sc. Ivan Gornik
Friday 4.11.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 10.11.2016.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	Physical status- Haematologic system	prof. dr. sc. Radovan Vrhovac
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	3. Lymphatics	prof. dr. sc. Radovan Vrhovac
Friday 11.11.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 17.11.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The head & neck	prof. dr. sc. Drago Prgomet

Date	Time	Group	Course hours type	Theme	Teaching staff
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	4. Lumps and swellings, thyroid enlargement	prof. dr. sc. Drago Prgomet
Friday 18.11.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 24.11.2016.	13:00-13:45; KBC, Edukacijski istok - 5	All	Seminar	5. Selected faces-acromegaly, myxoedema, nephrotic sy, Cushing's sy, parotid gland enlargement, Parkinson's disease	doc. dr. sc. Zlatko Giljević
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	6. History taking and physical examination in endocrinology	doc. dr. sc. Zlatko Giljević
Friday 25.11.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Štrozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 1.12.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The thorax and lungs	izv. prof. dr. sc. Sanja Popović-Grle
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	7. General approach to the patient with disease of respiratory system	izv. prof. dr. sc. Sanja Popović-Grle
Friday 2.12.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 8.12.2016.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The thorax and lungs – clinical examples	doc. dr. sc. Marko Jakopović
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	8. Abnormal auscultatory lungs phenomena	doc. dr. sc. Marko Jakopović
Friday 9.12.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 15.12.2016.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Breast and axille	prof. dr. sc. Stjepko Pleština
	12:15-13:00; KBC, Edukacijski istok - 5	All	Lectures	Breast and axille - seminar	prof. dr. sc. Stjepko Pleština
Friday 16.12.2016.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, doc. dr. sc. Ivan Gornik, doc. dr. sc. Marko Brinar, izv. prof. dr. sc. Maja Strozzi, doc. dr. sc. Maja Čikeš, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz
Thursday 12.1.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The cardiovascular system –Clinical anatomy and physiology	izv. prof. dr. sc. Martina Lovrić-Benčić

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	9. Praecordium examination; Chest deformity	izv. prof. dr. sc. Martina Lovrić-Benčić
Friday 13.1.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 19.1.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The heart – Blood pressure and pulse	doc. dr. sc. Nikolina Bašić-Jukić
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	10. The arterial pulse	doc. dr. sc. Nikolina Bašić-Jukić
Friday 20.1.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 26.1.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The heart – Auscultation	doc. dr. sc. Boško Skorić
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	11. Surface projections of the heart and great vessels	doc. dr. sc. Boško Skorić
Friday 27.1.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar



Date	Time	Group	Course hours type	Theme	Teaching staff
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 2.2.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The heart – Murmurs and clinical meaning	izv. prof. dr. sc. Maja Strozzi
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	12. Abnormal heart sounds and murmurs	izv. prof. dr. sc. Maja Strozzi
Friday 3.2.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 9.2.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The peripheral vascular system	izv. prof. dr. sc. Ljiljana Banfić
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	13. Vascular insufficiency - symptoms and signs	izv. prof. dr. sc. Ljiljana Banfić
Friday 10.2.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 16.2.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The abdomen – Clinical anatomy and topography.	prof. dr. sc. Željko Krznarić

Date	Time	Group	Course hours type	Theme	Teaching staff
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	14. Techniques of examination; Inspection and auscultation - practical issues	Marija Crnčević Urek, dr. med.
Friday 17.2.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 23.2.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The abdomen –Abdominal diagnostics based on the HT & PE	doc. dr. sc. Mirjana Kalauz
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	15. Percuting and palpating abdomen- practical issues	doc. dr. sc. Mirjana Kalauz
Friday 24.2.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 2.3.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	Anus, rectum and prostate	prof. dr. sc. Nadan Rustemović
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	16. Rectal examination - normal and pathological findings	prof. dr. sc. Nadan Rustemović
Friday 3.3.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 9.3.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	Urological symptoms and examination	prof. dr. sc. Željko Kaštelan
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	17. Differentiation of hernias in the groin	prof. dr. sc. Željko Kaštelan
Friday 10.3.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 16.3.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The musculoskeletal system	prof. dr. sc. Jasenka Markeljević
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	18. General approach	prof. dr. sc. Jasenka Markeljević
Friday 17.3.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sčaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 23.3.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The nervous system	izv. prof. dr. sc. Zdravka Poljaković

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	19. III, IV, VI & VII nerve palsy	izv. prof. dr. sc. Zdravka Poljaković
Friday 24.3.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 30.3.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	History taking and physical examination in oncology	prof. dr. sc. Stjepko Pleština
	12:15-13:00; KBC, Edukacijski istok - 5	All	Seminar	20. General approach to history taking and physical examination in oncology	prof. dr. sc. Stjepko Pleština
Friday 31.3.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 6.4.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	Nutritional status	prof. dr. sc. Željko Krznarić
	13:45-14:30; KBC, Edukacijski istok - 5	All	Seminar	21. Nutritional status	doc. dr. sc. Darija Vranešić Bender
Friday 7.4.2017.	13:00-15:15; KBD, Klinika za unutarnje bolesti	Groups 9-15	Special clinical practicals	Practical classes at wards with patients	Marija Crnčević Urek, dr. med., Melanie- Ivana Čulo, dr. med., Mario Sičaja, dr. med., dr. sc. Zdravko Mitrović, Mario Udovičić, dr. med., dr. sc. Ana Gudelj Gračanin, dr. sc. Miroslav Tišljar

Date	Time	Group	Course hours type	Theme	Teaching staff
	13:00-15:15; KBC, Interna klinika	Groups 1-8	Special clinical practicals	Practical classes at wards with patients	doc. dr. sc. Nadira Duraković, izv. prof. dr. sc. Sanja Popović-Grle, doc. dr. sc. Nikolina Bašić-Jukić, doc. dr. sc. Mirjana Kalauz, izv. prof. dr. sc. Radovan Radonić, prof. dr. sc. Željko Krznarić, doc. dr. sc. Joško Bulum, doc. dr. sc. Boško Skorić
Thursday 13.4.2017.	11:30-12:15; KBC, Edukacijski istok - 5	All	Lectures	The injury of musculoskeletal system	dr. sc. Ivan Dobrić
	12:15-13:00; KBC, Edukacijski istok - 5	All	Lectures	Skin, breast, hands and wrists	doc. dr. sc. Krešimir Bulić
Friday 14.4.2017.	13:00-15:15; KBC, Klinika za kirurgiju, Zavod 1	Groups 1-15	Special clinical practicals	Practical classes at wards with patients	Igor Petrović, Ognjan Deban, dr. sc. Goran Augustin, dr. sc. Hrvoje Šilovski, Petar Matošević, Mladen Duduković, Anto Dujmović, Sanda Smuđ Orehovec, Hrvoje Kisić, dr. med., dr. sc. Marko Bogović, Stanko Čavar, dr. sc. Tomislav Meštrović, Damir Halužan, dr. sc. Tonisav Antoljak, dr. sc. Ivan Dobrić
Thursday 20.4.2017.	13:00-13:45; KBC, Edukacijski istok - 5	All	Lectures	The thoracic injuries, Pneumothorax	izv. prof. dr. sc. Dinko Stančić-Rokotov
	13:45-14:30; KBC, Edukacijski istok - 5	All	Lectures	Examination of acute abdomen	dr. sc. Goran Augustin
Friday 21.4.2017.	13:00-15:15; KBC, Klinika za kirurgiju, Zavod 1	Groups 1-15	Special clinical practicals	Practical classes at wards with patients	Igor Petrović, Ognjan Deban, dr. sc. Goran Augustin, dr. sc. Hrvoje Šilovski, Petar Matošević, Mladen Duduković, Anto Dujmović, Sanda Smuđ Orehovec, Hrvoje Kisić, dr. med., dr. sc. Marko Bogović, Stanko Čavar, dr. sc. Tomislav Meštrović, Damir Halužan, dr. sc. Tonisav Antoljak, dr. sc. Ivan Dobrić
Thursday 4.5.2017.	14:00-14:00; MEF Čačković	All	Exam	Written exam	doc. dr. sc. Mirjana Kalauz, prof. dr. sc. Željko Krznarić
Monday 29.5.2017.	14:00-14:00; KBC, edukacijski centar S. Dogan	All	Exam	Written exam	doc. dr. sc. Mirjana Kalauz, prof. dr. sc. Željko Krznarić
Monday 3.7.2017.	14:00-14:00; KBC, edukacijski centar S. Dogan	All	Exam	Written exam	doc. dr. sc. Mirjana Kalauz, prof. dr. sc. Željko Krznarić
Monday 11.9.2017.	14:00-14:00; KBC, edukacijski centar S. Dogan	All	Exam	Written exam	doc. dr. sc. Mirjana Kalauz, prof. dr. sc. Željko Krznarić

**Lectures and seminars** will take place in educational centers of the University Hospital Centre Zagreb, Kišpatićeva 12 and **practicals** will be held in the departments of the

1. University Hospital Centre Zagreb, Kišpatićeva 12 = KBC

2. Clinical hospital Dubrava, Avenija Gojka Šuška 6 = KBD

#### **IV. EXAMINATIONS**

Students are allowed to miss 6 school hours of theoretical classes (lectures + seminars / 3 Thursdays) without justification and make-up. If a student misses more 6 school hours of theoretical classes (lectures and seminars), the student will have to make up for **all** of the absenteeism to the limit of 10 school hours. Make up via colloquium will be possible only after the course ends meaning the student will not have sufficient time to apply for the first term. **Students who miss more than 10 school hours of theoretical class (5 Thursdays) will not receive the necessary attendance signature allowing them to proceed to the final exam and therefore will have to retake the course in the next academic year.** Absenteism from practical classes is not allowed. If practical classes are missed, they have to be made up in agreement with the doctor who's practical class the student has missed.

Tardiness to classes is not acceptable. If a student is late for attendance taking he/she will be marked as absent.

Students can take the exam only **after they have ALL** their student **obligations fulfilled** (attendance to lectures and seminar, possible make up colloquia, attendance to practical).

#### **Types of examination and examination dates**

The exam includes a written test and an oral/practical exam. Written test consists of multiple-choice questions. Passing the written test is a requirement for approaching the oral/ practical exam.

**Course grades:** 5 = excellent

4 = very good

3 = good

2 = satisfactory

1 = fail

**Final grade of the course** is calculated as an average grade from written and oral/practical exam grades.

**1st exam term:** May 4th, 2017

**2nd exam term:** May 29th, 2017

**3rd exam term:** July 3rd, 2017

**4th exam term:** September 11th, 2017

#### **V./I. LIST OF LECTURERS AND TEACHING STAFF**

1. prof. dr. sc. Željko Krznarić

2. prof. dr. sc. Željko Reiner

3. akademik Davor Miličić

4. doc. dr. sc. Krsto Dawidowsky

5. izv. prof. dr. sc. Radovan Radonić

6. prof. dr. sc. Željko Kaštelan

7. prof. dr. sc. Radovan Vrhovac

8. prof. dr. sc. Drago Prgomet
9. doc. dr. sc. Zlatko Giljević
10. doc. dr. sc. Marko Jakopović
11. prof. dr. sc. Stjepko Pleština
12. izv. prof. dr. sc. Martina Lovrić-Benčić
13. doc. dr. sc. Boško Skorić
14. prof. dr. sc. Anton Šmalcelj
15. prof. dr. sc. Bojan Jelaković
16. dr. sc. Živka Dika
17. doc. dr. sc. Joško Bulum
18. mr. sc. Gorazd Poje
19. prof. dr. sc. Rajko Ostojić
20. doc. dr. sc. Silvija Čuković-Čavka
21. izv. prof. dr. sc. Fran Borovečki
22. izv. prof. dr. sc. Ljiljana Banfić
23. doc. dr. sc. Maja Čikeš
24. izv. prof. dr. sc. Davor Mijatović
25. izv. prof. dr. sc. Dinko Stančić-Rokotov
26. dr. sc. Goran Augustin
27. prof. dr. sc. Igor Aurer
28. prof. dr. sc. Nada Čikeš
29. izv. prof. dr. sc. Ivana Pavlić-Renar
30. doc. dr. sc. Natalija Dedić Plavetić
31. doc. dr. sc. Ivan Gornik
32. izv. prof. dr. sc. Darko Kaštelan
33. doc. dr. sc. Robert Likić
34. doc. dr. sc. Iveta Šimić
35. doc. dr. sc. Nadira Duraković
36. doc. dr. sc. Tina Dušek
37. dr. sc. Ivan Pećin
38. dr. sc. Josip Batinić
39. dr. sc. Luka Bielen
40. doc. dr. sc. Ana Boban
41. doc. dr. sc. Marko Brinar

42. doc. dr. sc. Miroslav Mayer
43. Marija Bakula, dr. med.
44. prof. dr. sc. Jadranka Šeparović Hanževački
45. dr. sc. Mislav Puljević
46. dr. sc. Jure Samardžić
47. prof. dr. sc. Lea Smirčić Duvnjak
48. prof. dr. sc. Jasenka Markeljević
49. doc. dr. sc. Krešimir Bulić
50. dr. sc. Ivan Dobrić
51. dr. sc. Hrvoje Silovski
52. dr. sc. Tomislav Meštrović
53. dr. sc. Marko Bogović
54. izv. prof. dr. sc. Zdravka Poljaković
55. prof. dr. sc. Maja Relja
56. izv. prof. dr. sc. Ervina Bilić
57. doc. dr. sc. Mario Habek
58. doc. dr. sc. Darija Mahović Lakušić
59. doc. dr. sc. Branko Malojčić
60. doc. dr. sc. Željka Petelin Gadže
61. izv. prof. dr. sc. Damir Petravić
62. izv. prof. dr. sc. Srđana Telarović
63. doc. dr. sc. Marina Boban
64. mr. sc. Ivan Bilić
65. izv. prof. dr. sc. Sanja Propadalo-Hajnšek

**V./II EXTERNAL ASSOCIATES:**

1. Katarina Blažina
2. Domina Kekez, dr. med.
3. Branimir Ivan Šepec
4. Josip Ljevak
5. prof. dr. sc. Igor Francetić
6. prof. dr. sc. Vladimir Gašparović
7. Petra Nimac Kozina
8. dr. sc. Petar Kes



9. Anamarija Veselić, pred.
10. Andreja Starčević
11. dr. sc. Tomislav Kuliš
12. prof. dr. sc. Boris Vucelić
13. Dražen Belina, dr. med.
14. Sanda Smuđ Orehovec
15. Hrvoje Kisić, dr. med.
16. Melanie- Ivana Čulo, dr. med.
17. Mario Udovičić, dr. med.
18. dr. sc. Ana Gudelj Gračanin
19. dr. sc. Miroslav Tišljar
20. doc. dr. sc. Darija Vranešić Bender
21. dr. sc. Karlo Golubić
22. dr. sc. Tonisav Antoljak
23. Stanko Čavar
24. Ognjan Deban
25. Mladen Duduković
26. Anto Dujmović
27. Damir Halužan
28. Petar Matošević
29. Igor Petrović
30. Suzana Sršen-Medančić
31. Irena Šnajdar
32. Tomislav Žigman, dr. med.
33. dr. sc. Marija Žagar
34. Barbara Barun, dr. med.
35. Tereza Gabelić
36. Magdalena Krbot Skorić
37. Tanja Badovinac Črnjević
38. Marcel Marjanović Kavanagh
39. Juraj Lukinović, dr. med.

**V./III UNTENURED LECTURERS:**

1. izv. prof. dr. sc. Silva Zupančić-Šalek

2. izv. prof. dr. sc. Sanja Popović-Grle
3. dr. sc. Zdravko Mitrović
4. izv. prof. dr. sc. Maja Strozzi
5. Marija Crnčević Urek, dr. med.
6. doc. dr. sc. Mirjana Kalauz
7. prof. dr. sc. Nadan Rustemović
8. Mario Sičaja, dr. med.
9. doc. dr. sc. Nikolina Bašić-Jukić
10. izv. prof. dr. sc. Anko Antabak
11. Emil Kinda, dr. med.
12. Tihomir Kekez, dr. med.
13. doc. dr. sc. Nataša Klepac
14. Ivana Zadro, dr. med.
15. Lana Kovač Bilić, dr. med.

## **VI. LITERATURE**

### **A. Mandatory**

1. Bates' Pocket Guide to Physical Examination and History Taking. by Bickley, Lynn S.; Szilagy, Peter G.; Bates, Barbara. LIPPINCOTT WILLIAMS & WILKINS Philadelphia 2003-

### **B. Additional**

1. Pocket Companion for Physical Examination and Health Assessment. Jarvis, C. Elsevier Science Health Science, 2003
2. A Guide to Physical Examination and History Taking. Bates B.; J. B. Lippincott, Philadelphia: 5th Edition, 1991
3. Anamneza i fizikalni pregled. Čustović, F. Školska knjiga, Zagreb 2000.
4. Internistička propedeutika i osnove fizikalne dijagnostike. Metelko Ž, Harambašić H. i sur. Medicinska naklada 1999.