

<b>UČNI NAČRT PREDMETA / COURSE SYLLABUS</b>
--

<b>Ime predmeta:</b>	Izbrane vsebine in novosti v interni medicini
<b>Course title:</b>	Selected topics and novelties in internal medicine

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Splošna medicina, enovit magistrski študijski program		Tretji, šesti	6., 11.
General medicine, Uniform master's degree study program		Third, sixth	6th, 11th

**Vrsta predmeta (obvezni ali izbirni) /  
Course type (compulsory or elective)**

izbirni
elective

**Univerzitetna koda predmeta / University course code:**

--

Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
5	40						45	3
		AV	LV	RV				

**Nosilec predmeta / Course coordinator:**

prof. dr. Breda Pečovnik Balon prof. dr. Ivan Krajnc
---

**Jeziki /Languages:**

<b>Predavanja / Lectures:</b>	slovenski/slovene
<b>Vaje / Tutorial:</b>	slovenski/slovene

**Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:**

--

**Prerequisites for enrolling in the course or for performing study obligations:**

--

**Vsebina (kratak pregled učnega načrta):**

Glede na želje študenta se lahko poglobljena znanja pridobivajo na vseh področjih interne medicine: intenzivne interne medicine, internističnih urgentnih stanj, sodobne kardiološke diagnostike, UZ preiskave srca, cikloergometrije, koronarografije, sodobne gastroenterološke diagnostike, klinične imunologije, hematološke onkologije, sodobnega zdravljenja diabetesa in endokrinih bolezni, sodobnih oblik nadomestnega zdravljenja ledvične bolezni kot so hemodilaza, peritonealna dializa, transplantacija, ledvične biopsije, ...
---

**Content (syllabus outline):**

Regarding the students wishes, in-depth knowledge can be acquired in the following fields of internal medicine: intensive care of internal medicine, emergency situations, modern cardiac procedures like ultrasound, cycloergometry, coronarography, gastroenterological diagnostics, clinical immunology, oncology, modern treatment of diabetes mellitus and metabolic disorders, modern treatment methods in nephrology such as hemodialysis, peritoneal dialysis, kidney biopsies,...
--

## Temeljni literatura in viri / Reading materials:

### Osnovna literatura:

1. A. Kocijančič: Klinična preiskava. Ljubljana: Littera picta, 2000.
2. Interna medicina / glavna urednika Mitja Košnik, Dušan Štajer ; področni uredniki Aleš Blinc ... [et al.] ; [vsebinsko kazalo Žiga Košnik ... [et al.] ; risbe Dušan Štajer]. - 5. izd. - Ljubljana : Medicinska fakulteta : Slovensko zdravniško društvo : Buča, 2018

### Dodatna literatura:

- 1.D. Longo et al (eds): Harrison's Principles of Internal Medicine, 20th edition. New York: McGraw-Hill, 2018.
- 2.PJ. Kumar, ML. Clark (eds): Clinical Medicine, 8th edition. Edinburgh: Saunders Elsevier, 2016.

### Cilji in kompetence:

Pridobitev poglobljenih znanj v posameznih področjih v interni medicini v odvisnosti od želja študenta.

### Objectives and competences:

To acquire extended knowledge in therapeutics and diagnostic procedures in internal medicine.

### Predvideni študijski rezultati:

Znanje in razumevanje:  
Poglobljeno znanje o interni medicini.

Prenesljive/ključne spretnosti in drugi atributi:  
Praktično klinično znanje in spretnosti.

### Intended learning outcomes:

Knowledge and comprehension of:  
Extended knowledge in internal medicine

Transferable/Key Skills and other attributes:  
Practical clinical knowledge and skills

### Metode poučevanja in učenja:

Praktično klinično delo pod vodstvom tutorja.

### Learning and teaching methods:

Practical clinical work under tutor's supervision.

Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt) Seminarska naloga</p> <p>ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: Izbirni predmet pomeni praktično delo na internističnih oddelkih različnih bolnišnic - načelno v času počitnic - v obsegu 3 x 8 ur. Vsak študent se javi pri predstojniku oddelka, da se dogovori glede točne izvedbe (datumi). V času 24-urnega praktičnega dela študent podrobneje obdela enega konkretnega bolnika z določeno diagnozo in ga na koncu predstavi nosilki predmeta – v obliki seminarja: anamneza, status, diferencialna diagnoza, diagnostične metode, zdravljenje. Predstavitev poda tudi v pisni obliki v obsegu vsaj 1 A4 strani v računalniškem sistemu Moodle – to je priloga k prijavnici. Datumi ustnih predstavitev bodo objavljeni v okviru izpitnih rokov.</p>	<p>100</p>	<p>Type (written and oral examinations, assignments, project work): Seminar paper</p> <p>ACADEMIC OBLIGATIONS OF STUDENTS: Elective subject means practical work in the internal wards of various hospitals – in principle during vacations – in the extent of 3 x 8 hours. Every student reports to the head of a ward to come to terms regarding the exact implementation (dates). Within the 24-hour practical work a student treats in detail one concrete patient with a certain diagnosis and at the end presents the patient to the subject holder – in the form of a seminar: anamnesis, status, differential diagnosis, diagnostic methods, treatment. The presentation is handed in also in a written form in the extent of at least 1 A4 sheet of paper in the computer system Moodle – that is an attachment to the application form. Dates of</p>

<p>V okviru predmeta študent:</p> <ul style="list-style-type: none"> <li>-Dela v bolniški sobi s sobnim zdravnikom</li> <li>-Dela v sprejemnem bloku</li> <li>-Spremlja bolnika na preiskave</li> <li>-Sodeluje pri pregledovanju in pregleduje bolnika</li> <li>-Sodeluje pri načrtovanju diagnostičnih preiskav</li> <li>-Sodeluje pri oceni izvidov</li> <li>-Sodeluje pri načrtovanju zdravljenja</li> <li>-Sodeluje na viziti</li> <li>-Sodeluje pri delu med. sestre - dajanje injekcij, infuzij, odvzem krvi, snemanje EKG</li> </ul> <p>POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA:</p> <p>K izpitu se lahko prijavi študent, ki je opravil predpisane obveznosti:</p> <ul style="list-style-type: none"> <li>- opravil prakso na oddelku, kamor je bil razporejen</li> <li>- pripravil in oddal s strani neposrednega mentorja pregledano in potrjeno seminarsko nalogo</li> <li>- seminar zagovarjal pri nosilki predmeta.</li> </ul> <p>Izbirni predmet se ocenjuje z oceno po ocenjevalni lestvici:</p> <ul style="list-style-type: none"> <li>- 56 % - 65 % 6</li> <li>- 66 % - 75 % 7</li> <li>- 76 % - 85 % 8</li> <li>- 86 % - 95 % 9</li> <li>- 96 % - 100 % 10</li> </ul>		<p>oral presentations will be published within the examination dates.</p> <p>Within the subject a student:</p> <ul style="list-style-type: none"> <li>-works in a sickroom with a room physician</li> <li>-works in a receiving block</li> <li>-accompanies a patient to medical examinations</li> <li>-cooperates in medical screening and examines the patient</li> <li>-cooperates in planning the diagnostic tests</li> <li>-cooperates in assessment of medical reports</li> <li>-cooperates in planning the treatment</li> <li>-cooperates during the visitation</li> <li>-cooperates during nurse's work – giving injections, infusion, taking of blood, ECG</li> </ul> <p>REQUIREMENTS OF ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING:</p> <p>A student can enter the exam if he/she completed the prescribed obligations:</p> <ul style="list-style-type: none"> <li>- a student completed practice in the ward where he/she was allocated</li> <li>-a student prepared and handed in the seminar assignment which was reviewed and confirmed by an immediate mentor</li> <li>-a student defended the seminar in front of the subject holder</li> </ul> <p>The elective subject is marked with a mark according to a grading scale:</p> <ul style="list-style-type: none"> <li>-56% - 65% 6</li> <li>-66% - 75% 7</li> <li>-76% - 85% 8</li> <li>-86% - 95% 9</li> <li>-96% - 100% 10</li> </ul>
---	--	---

#### Reference nosilca / Course coordinator's references:

##### **BREDA PEČOVNIK BALON:**

HOJS, Nina, BEVC, Sebastjan, PEČOVNIK-BALON, Breda, HOJS, Radovan, EKART, Robert. Paricalcitol reduces proteinuria in non-dialysis chronic kidney disease patients. V: BUTUROVIĆ-PONIKVAR, Jadranka (ur.). Special issue : contributions from the 5th Slovenian Congress of Nephrology with international participation, (Therapeutic apheresis and dialysis (Online), ISSN 1744-9987, vol. 17, no. 4). [S. l.]: International Society for Apheresis, cop. 2013, str. 368-372. <http://onlinelibrary.wiley.com/doi/10.1111/1744-9987.12080/pdf>, doi: 10.1111/1744-9987.12080. [COBISS.SI-ID 4745023], [JCR, SNIP, WoS do 23. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 9. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0] tipologija 1.08 -> 1.01

BEVC, Sebastjan, PURG, Darinka, TURNŠEK, Nina, HREN, Martin, HOJS, Nina, ZORMAN, Tadej, PEČOVNIK-BALON, Breda, DVORŠAK, Benjamin, EKART, Robert, HOJS, Radovan. Ankle-brachial index and cardiovascular mortality in nondiabetic hemodialysis patients. V: BUTUROVIĆ-PONIKVAR, Jadranka (ur.). Special issue : contributions from the 5th Slovenian Congress of Nephrology with international participation, (Therapeutic apheresis and dialysis (Online), ISSN 1744-9987, vol. 17, no. 4). [S. l.]: International Society for Apheresis, cop. 2013, str. 373-377, ilustr. <http://onlinelibrary.wiley.com/doi/10.1111/1744-9987.12081/pdf>, doi: 10.1111/1744-9987.12081. [COBISS.SI-ID 4745535], [JCR, SNIP, WoS do 16. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 9. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0] tipologija 1.08 -> 1.01

BREZNIK, Silva, EKART, Robert, HREN, Martin, RUPREHT, Mitja, PEČOVNIK-BALON, Breda. Radiographic assessment of vascular calcification, aortic pulse wave velocity, ankle-brachial index and fibroblast growth factor-23 in chronic hemodialysis patients. V: BUTUROVIĆ-PONIKVAR, Jadranka (ur.). Special issue : contributions from the 5th Slovenian Congress of Nephrology with international participation, (Therapeutic apheresis and dialysis (Online), ISSN 1744-9987, vol. 17, no. 4). [S. l.]: International Society for Apheresis, cop. 2013, str. 378-383, ilustr. <http://onlinelibrary.wiley.com/doi/10.1111/1744-9987.12082/pdf>, doi: 10.1111/1744-9987.12082. [COBISS.SI-ID 4745279], [JCR, SNIP, WoS do 23. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 4. 9. 2013: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0] tipologija 1.08 -> 1.01

EKART, Robert, KANIČ, Vojko, PEČOVNIK-BALON, Breda, BEVC, Sebastjan, DVORŠAK, Benjamin, HOJS, Radovan. Blood pressure measurements and left ventricular mass index in hemodialysis patients. *Artificial organs*, ISSN 0160-564X, 2012, vol. 36, issue 6, str. 517-524. <http://onlinelibrary.wiley.com/doi/10.1111/j.1525-1594.2011.01401.x/pdf>, doi: 10.1111/j.1525-1594.2011.01401.x. [COBISS.SI-ID 4393279], [JCR, SNIP, WoS do 11. 4. 2013: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1, Scopus do 20. 3. 2013: št. citatov (TC): 1, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 1]

EKART, Robert, KANIČ, Vojko, PEČOVNIK-BALON, Breda, BEVC, Sebastjan, HOJS, Radovan. Prognostic value of 48-hour ambulatory blood pressure measurement and cardiovascular mortality in hemodialysis patients. *Kidney & blood pressure research*, ISSN 1420-4096, 2012, vol. 35, no. 5, str. 326-331. <http://content.karger.com/produktedb/produkte.asp?DOI=10.1159/000336357>, doi: 10.1159/000336357. [COBISS.SI-ID 4393535], [JCR, SNIP, WoS do 17. 7. 2013: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1, Scopus do 10. 9. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]

**IVAN KRAJNC:**

KOŠUTIĆ, Damir, PEJKOVIĆ, Božena, ANDERHUBER, Friedrich, VADNJAL, Sabina, ŽIC, Rado, GULIC, Rozita, KRAJNC, Ivan, ŠOLMAN, Lea, KOCBEK, Lidija. Complete mapping of lateral and medial sural artery perforators : anatomical study with Duplex-Doppler ultrasound correlation. *Journal of plastic, reconstructive & aesthetic surgery*, 2012, vol. 65, issue 11, str. 1530-1536, doi: 10.1016/j.bjps.2012.04.045. [COBISS.SI-ID 512228408]

KOCBEK, Lidija, KRAJNC, Ivan, ANDERHUBER, Friedrich. Anatomical variations of the posterior intercostal arteries and the thoracic vertebral artery. *J. int. med. res.*, 2011, vol. 39, no. 3, str. 1001-1005. [COBISS.SI-ID 3996223]

GORIŠEK, Borut, KRAJNC, Petra, KRAJNC, Ivan. Quality of life and the effect on social status among Slovenian women after breast cancer treatment. *J. int. med. res.*, Mar.-Apr. 2009, vol. 37, no. 2, str. 557-566. [COBISS.SI-ID 3285311]

GORIŠEK, Borut, REBOLJ STARE, Marija, KRAJNC, Ivan. Accuracy of intra-operative frozen section analysis of ovarian tumours. *J. int. med. res.*, 2009, vol. 37, no. 4, str. 1173-1178. <http://www.jimronline.net/content/full/2009/92/1227.pdf>. [COBISS.SI-ID 3384127]

DINEVSKI, Dejan, POLI, Andrea, KRAJNC, Ivan, ŠUŠTERŠIČ, Olga, ARH, Tanja. E-health integration and interoperability based on open-source information technology. *Wien. klin. Wochenschr., Suppl.*, 2010, vol. 122, suppl. 2, str. 3-10, doi: 10.1007/s00508-010-1354-9. [COBISS.SI-ID 3670335]