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| **NAME OF THE COURSE** | **New insights in diabetes** |
| **Code** | MFMI… | Year of study | 4-6 |
| Course teacher | Assoc. prof. Tina Tičinović Kurir, MD, PhD | Credits (ECTS) | 2 |
| Associate teachers | Assist. prof. Joško Božić, MD, PhDProf. Dragan Ljutić, MD, PhDProf. Veselin Škrabić, MD, PhD | Type of instruction (number of hours) | L | S | E | T |
| 10 | 10 | 5 | 25 |
| Status of the course | Elective | Percentage of application of e-learning | 0 % |
| **COURSE DESCRIPTION** |
| Course enrolment requirements and entry competences required for the course | * Internal Medicine (attended)
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| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | * Interpret the latest knowledge in the pathophysiology of diabetes
* Describe and explain the mechanisms of chronic complications of diabetes
* Analyze and critically interpret a variety of therapeutic approaches for patients with diabetes
* Describe and analyze hypoglycemia as a therapeutic problem in the treatment of diabetes
* Explain the connection between OSA and diabetes
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| Course content broken down in detail by weekly class schedule (syllabus) | Lectures:1. New insights in diabetes2. Acute complications of diabetes3. Chronic complications of diabetes4. Diabetes and malignanciesSeminars:1. Diabetes treatment2. Incretin therapy3. New therapeutic approaches in the treatment of diabetes4. OSA and diabetesExercise:1. Hypoglycaemia - therapeutic problem |
| Format of instruction | ☒ lectures☒ seminars and workshops☒ exercises ☐ *on line* in entirety☐ partial e-learning☐ field work | ☐ independent assignments☐ multimedia ☐ laboratory☐ work with mentor☐       (other) |
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| Student responsibilities | In accordance to Rules of studying and Deontological code for USSM students. |
| Screening student work *(name the proportion of ECTS credits for each* *activity so that the total number of ECTS credits is equal to the ECTS value of the course)* | Class attendance | 0,5 | Research |       | Practical training |       |
| Experimental work |       | Report |       |       (Other) |       |
| Essay |       | Seminar essay | 0,5 |       (Other) |       |
| Tests |       | Oral exam |       |       (Other) |       |
| Written exam | 1,0 | Project |       |       (Other) |       |
| Grading and evaluating student work in class and at the final exam | Written exam |
| Required literature (available in the library and via other media) | **Title** | **Number of copies in the library** | **Availability via other media** |
| 1. Ley SH, Hamdy O, Mohan V, Hu FB. Prevention and management of type 2 diabetes: dietary components and nutritional strategies. Lancet. 2014;383(9933):1999-2007. |       |       |
| 2. Aurora RN, Punjabi NM. Obstructive sleep apnoea and type 2 diabetes mellitus: a bidirectional association. Lancet Respir Med. 2013;1(4):329-38. |       |       |
| 3. Inzucchi SE. Clinical practice. Diagnosis of diabetes. N Engl J Med. 2012;367(6):542-50. |       |       |
| 4. Handoutsi s predavanja |       |       |
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| Optional literature (at the time of submission of study programme proposal) | 1. Cryer PE. Mechanisms of hypoglycemia-associated autonomic failure indiabetes. N Engl J Med. 2013;369(4):362-72. |
| Quality assurance methods that ensure the acquisition of exit competences | * Teaching quality analysis by students and teachers
* Exam passing rate analysis
* Committee for control of teaching reports
* External evaluation
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| Other (as the proposer wishes to add) |       |

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| **Naziv predmeta** | **Nove spoznaje o šećernoj bolesti** |
| **Kod** | MFMI… | Godina studija | 4-6 |
| **Nositelj/i predmeta** | Izv. prof. dr. sc. Tina Tičinović Kurir | Bodovna vrijednost (ECTS) | 2 |
| Suradnici | Prof. dr. sc. Dragan LjutićProf. dr. sc. Veselin ŠkrabićDoc.dr. sc. Joško Božić | Način izvođenja nastave (broj sati u semestru) | P | S | V | T |  |
| 10 | 10 | 5 | 25 |
| Status predmeta | Izborni | Postotak primjene e-učenja  | 0 % |
| **OPIS PREDMETA** |
| Ciljevi predmeta | Prikazati i objasniti najnovije spoznaje i terapijske pristupe u liječenju šećerne bolesti. |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | * Interna medicina (odslušana)
 |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja)  | * nabrojiti i intepretirati najnovije spoznaje u patofiziologiji šećerne bolesti
* opisati i objasniti mehanizme nastanka kroničnih komplikacija šećerne bolesti
* raščlaniti i kritički interpretirati različite terapijske pristupe bolesnicima s šećernom bolesti
* opisati i raščlaniti hipoglikemiju kao terapijski problem u liječenju šećerne bolesti
* objasniti povezanost OSA-e i šećerne bolesti
 |
| Sadržaj predmeta detaljno razrađen prema satnici nastave  | Predavanja:1. Nove spoznaje o šećerne bolesti2. Akutne komplikacije šećerne bolesti3. Kronične komplikacije šećerne bolesti4. Šećerna bolest i malignomiSeminari:1. Liječenje šećerne bolesti2. Inkretinska terapija3. Novi terapijski pristupi u liječenju šećerne bolesti4. OSA i šećerna bolestVježbe:1. Hipoglikemija – terapijski problem |
| Vrste izvođenja nastave: | ☒ predavanja☒ seminari i radionice ☒ vježbe ☐ *on line* u cijelosti☐ mješovito e-učenje☐ terenska nastava | ☐ samostalni zadaci ☐ multimedija ☐ laboratorij☐mentorski rad☐       (ostalo upisati) |
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| Obveze studenata | Nazočnost na nastavi 80% predavanja, 90% seminari i 100% vježbe |
| Praćenje rada studenata *(upisati udio u ECTS bodovima za svaku aktivnost tako da ukupni broj ECTS bodova odgovara bodovnoj vrijednosti predmeta):* | Pohađanje nastave | 0,5 |  |       |  |       |
| Seminarski rad | 0,5 |  |       |       (Ostalo upisati) |       |
| Pismeni ispit | 1,0 |  |       |       (Ostalo upisati) |       |
|  |       |  |       |       (Ostalo upisati) |       |
|  |       |  |       |       (Ostalo upisati) |       |
| Ocjenjivanje i vrjednovanje rada studenata tijekom nastave i na završnom ispitu | Pismeni ispit |
| Obvezna literatura (dostupna u knjižnici i putem ostalih medija) | **Naslov** | **Broj primjeraka u knjižnici** | **Dostupnost putem ostalih medija** |
| 1. Ley SH, Hamdy O, Mohan V, Hu FB. Prevention and management of type 2 diabetes: dietary components and nutritional strategies. Lancet. 2014;383(9933):1999-2007.2. Aurora RN, Punjabi NM. Obstructive sleep apnoea and type 2 diabetes mellitus: a bidirectional association. Lancet Respir Med. 2013;1(4):329-38.3. Inzucchi SE. Clinical practice. Diagnosis of diabetes. N Engl J Med. 2012;367(6):542-50.4. Handoutsi s predavanja |       |  |
| Dopunska literatura  | 1. Cryer PE. Mechanisms of hypoglycemia-associated autonomic failure indiabetes. N Engl J Med. 2013;369(4):362-72. |
| Načini praćenja kvalitete koji osiguravaju stjecanje utvrđenih ishoda učenja | -Analiza kvalitete nastave od strane studenata i nastavnika, -Analiza prolaznosti na ispitima, -Izvješća Povjerenstva za kontrolu provedbe nastave, -Izvaninstitucijska evaluacija (posjet timova za kontrolu kvalitete Nacionalne agencije za kontrolu kvalitete, uključenje u TEEP). |
| Ostalo (prema mišljenju predlagatelja) |       |