|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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, PhD  Prof. Dragan Ljutić, MD, PhD  Prof. 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) | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | Lectures:  1. New insights in diabetes  2. Acute complications of diabetes  3. Chronic complications of diabetes  4. Diabetes and malignancies  Seminars:  1. Diabetes treatment  2. Incretin therapy  3. New therapeutic approaches in the treatment of diabetes  4. OSA and diabetes  Exercise:  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) | | | | | | | | | |
|
| 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 | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
| Optional literature (at the time of submission of study programme proposal) | 1. Cryer PE. Mechanisms of hypoglycemia-associated autonomic failure in  diabetes. 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 | | | | | | | | | | | | | |
| Other (as the proposer wishes to add) |  | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 Ljutić  Prof. dr. sc. Veselin Škrabić  Doc.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 bolesti  2. Akutne komplikacije šećerne bolesti  3. Kronične komplikacije šećerne bolesti  4. Šećerna bolest i malignomi  Seminari:  1. Liječenje šećerne bolesti  2. Inkretinska terapija  3. Novi terapijski pristupi u liječenju šećerne bolesti  4. OSA i šećerna bolest  Vježbe:  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) | | | | | | | | | |
|
| 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 in  diabetes. 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) |  | | | | | | | | | | | | | | |