|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Naziv predmeta EKG u kliničkoj praksi** | | | | |  | | | | | | | | | | |
| **Kod** | MFMI… | | Godina studija | | | 4. | | | | | | | | | |
| **Nositelj/i predmeta** | Prof dr sc Darko Duplančić.Doc dr Duška Glavaš, Doc dr sc. Ivica vuković | | Bodovna vrijednost (ECTS) | | | 2 | | | | | | | | | |
| Suradnici |  | | Način izvođenja nastave (broj sati u semestru) | | | P | | S | V | | | T |  | | |
| 10 | | 10 | 5 | | |  |
| Status predmeta | Izborni | | Postotak primjene e-učenja | | | 0 | | | | | | | | | |
| **OPIS PREDMETA** | | | | | | | | | | | | | | | |
| Ciljevi predmeta | Ovladavanje osnovama interpretacije EKG a | | | | | | | | | | | | | | |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | Isti kao i za Internu medicinu | | | | | | | | | | | | | | |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja) | Razumijevanje principa elektrokardiografije  Spoznavanje mjesta elektrokardiografije u kliničkoj praksi  Spoznavanje mogućnosti i ograničenja elektrokardiografije  Ovladavanje osnovama interpretacije EKG a  Prepoznavanje najvažnijih elektrokardiografskih promjena | | | | | | | | | | | | | | |
| Sadržaj predmeta detaljno razrađen prema satnici nastave | Osnove elektrokardiografije i elektrofiziologije  Tehnički aspekti EKG a  Električna os, električni vektori hipertrofija miokarda  Ritam ,promjene ritma, ventrikularne i supaventrikularne aritmije  Provođenje impulsa , blokovi, intraventrikluarni i atrioventrikularni.  EKG u ishemijskoj bolesti srca  EKG u srčanom zatajivanju  Drugi klinički aspekti EKG a | | | | | | | | | | | | | | |
| 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 | 1 | |  | | |  | | |  | | | | |  |
| Seminarski rad | 0,5 | |  | | |  | | |  | | | | |  |
| Pismeni ispit | 0,5 | |  | | |  | | | (Ostalo upisati) | | | | |  |
|  |  | |  | | |  | | | (Ostalo upisati) | | | | |  |
|  |  | |  | | |  | | | (Ostalo upisati) | | | | |  |
| Ocjenjivanje i vrjednovanje rada studenata tijekom nastave i na završnom ispitu | Pisani ispit | | | | | | | | | | | | | | |
| Obvezna literatura (dostupna u knjižnici i putem ostalih medija) | **Dale Dubin- Brza interpretacija EKG a**  **Goldberger- Klinička elektrokardiografija**  **Harrison s Principi interne medicine** | | | | | | | | | | **Broj primjeraka u knjižnici** | | | **Dostupnost putem ostalih medija** | |
|  | | | | | | | | | |  | | |  | |
| Dopunska literatura | Internetski seminari EKG a, ostali EKG udžbenici | | | | | | | | | | | | | | |
| 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) |  | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAME OF THE COURSE** | | **Interpretation of ECG** | | | | | | | | | | | | |
| **Code** | MFMI… | | | | Year of study | | | | 4. | | | | | |
| Course teacher | Prof. Darko Duplančić | | | | Credits (ECTS) | | | | 2 | | | | | |
| Associate teachers | Prof dr sc Darko Duplančić.Doc dr Duška Glavaš, Doc dr sc. Ivica vuković | | | | Type of instruction (number of hours) | | | | L | S | | E | | T |
| 10 | 10 | | 5 | |  |
| Status of the course | Elective | | | | Percentage of application of e-learning | | | | 0 | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Course enrolment requirements and entry competences required for the course | As for internal medicine | | | | | | | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | Understanding principles of ECG  Detection of importance of using ECG in clinical practice  Understanding possibilities and limitation of ECG  Basic interpretation of ECG  Understanding the most important ECG changes | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | Basic ECG and eletrophysiology  Technical aspects of ECG  Electrical axis, vectors, myocardial hypertrophy  Rhythm, rhythm disturbances, rhythm changes, ventricular and supraventricular arrhytmias  AV, IV blocks  ECG in ishaemic heart disease  ECG in heart failure  Other clinical aspects of ECG | | | | | | | | | | | | | |
| 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 | |  | Research | | |  | Practical training | | | | |  | |
| Experimental work | |  | Report | | |  | (Other) | | | | |  | |
| Essay | |  | Seminar essay | | |  | (Other) | | | | |  | |
| Tests | |  | Oral exam | | |  | (Other) | | | | |  | |
| **Written exam** | |  | Project | | |  | (Other) | | | | |  | |
| Grading and evaluating student work in class and at the final exam | As for internal medicine exam | | | | | | | | | | | | | |
| Required literature (available in the library and via other media) | **Title** | | | | | | | | **Number of copies in the library** | | **Availability via other media** | | | |
|  | | | | | | | |  | |  | | | |
| **Dale Dubin- Interpretation of ECG**  **Goldberger- Clinical ECG**  **Harrisons Principles of Internal Medicinr** | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
| Optional literature (at the time of submission of study programme proposal) | Other books and publication about ECG | | | | | | | | | | | | | |
| 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) |  | | | | | | | | | | | | | |