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| **Naziv predmeta** | | | | | **Klinički slučajevi iz neuroanatomije** | | | | | | | | | | |
| **Kod** | MFMI… | | Godina studija | | | 2-6. | | | | | | | | | |
| **Nositelj/i predmeta** | Prof. dr. sc. Renata Pecotić | | Bodovna vrijednost (ECTS) | | | 2 | | | | | | | | | |
| Suradnici | Dr. sc. Ivana Pavlinac Dodig | | Način izvođenja nastave (broj sati u semestru) | | | P | | S | V | | | T |  | | |
| 4 | | 11 | 10 | | |  |
| Status predmeta | Izborni | | Postotak primjene e-učenja | | | 0 | | | | | | | | | |
| **OPIS PREDMETA** | | | | | | | | | | | | | | | |
| Ciljevi predmeta | Podučavanje studenata vještini promišljanja o kliničkim posljedicama različitih bolesti koje zahvaćaju središnji živčani sustav. Omogućavanje studentima vježbe u samostalnom otkrivanju uzroka, tj. točnog anatomskog smještaja lezije u podlozi različitih kliničkih slučajeva. | | | | | | | | | | | | | | |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | Odslušana anatomija | | | | | | | | | | | | | | |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja) | Imenovati, prepoznati i objasniti funkciju glavnih struktura SŽS-a.  Primjeniti stečena teorijska znanja iz neuroanatomije za prepoznavanje, identificiranje i tumačenje kliničkih znakova i simptoma u lezijama SŽS-a.  Temeljem kliničkih simptoma prepoznati mjesto lezije SŽS-a.  Kritički prosuditi obrazovne materijale, raspravljati i konstruirati mišljenja. | | | | | | | | | | | | | | |
| Sadržaj predmeta detaljno razrađen prema satnici nastave | PREDAVANJA (4 sata) Broj sati  1. Uvodno predavanje 2  2. Pregled struktura SŽS-a 2  SEMINARI (11 sati) Broj sati  1. Krvna opskrba SŽS-a 2  2. Vaskularne lezije SŽS-a 2  3. Ozljede i tumori SŽS-a 3  4. Degenerativni poremećaji SŽS-a 2  5. Nasljedni poremećaji SŽS-a 2    VJEŽBE (10 sati) Broj sati  1. Vaskularne lezije – klinički slučajevi 2  2. Ozljede i tumori – klinički slučajevi 2  3. Degenerativni poremećaji – klinički slučajevi 2  4. Studentske prezentacije i završni ispit 4 | | | | | | | | | | | | | | |
| Vrste izvođenja nastave: | x predavanja  x seminari i radionice  x 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 | 1 | |  | | |  | | | (Ostalo upisati) | | | | |  |
| 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) | **Naslov** | | | | | | | | | | **Broj primjeraka u knjižnici** | | | **Dostupnost putem ostalih medija** | |
| Hal Blumenfeld: Neuroanatomy through Clinical Cases, 2nd Edition | | | | | | | | | |  | | |  | |
| Dopunska literatura | • Allan Siegel and Hreday N. Sapru: Essential Neuroscience, 2nd Edition  • Duane E. Haines: Neuroanatomy in clinical context, 9th Edition | | | | | | | | | | | | | | |
| 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) |  | | | | | | | | | | | | | | |

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| **NAME OF THE COURSE** | |  | | | | | | | | | | | | |
| **Code** | MFMI… | | | | Year of study | | | | 2-6 | | | | | |
| Course teacher | Professor Renata Pecotić, MD, PhD | | | | Credits (ECTS) | | | | 2 | | | | | |
| Associate teachers | Ivana Pavlinac Dodig, MD, PhD | | | | Type of instruction (number of hours) | | | | L | S | | E | | T |
| 4 | 11 | | 10 | |  |
| Status of the course | Elective | | | | Percentage of application of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Course enrolment requirements and entry competences required for the course | Anatomy | | | | | | | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | Name, recognize, explain and discuss the functions of CNS main structures.  Use acquired theoretical knowledge in neuroanatomy to recognize, identify and interpret clinical signs and symptoms in various CNS lesions.  Independently evaluate the precise site of CNS lesion based on the clinical symptoms.  Critically judge educational materials, participate in argumentative discussion and construct opinions. | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | LECTURES (4 hours) Number of hours:  1. Introductory lecture 2  2. Review of the CNS structures 2  SEMINARS (11 hours) Number of hours:  1. Blood supply of the CNS 2  2. Vascular lesions of the CNS 2  3. Injuries and tumors of the CNS 3  4. Degenerative disorders of the CNS 2  5. Hereditary disorders of the CNS 2    EXERCISES (10 hours) Number of hours:  1. Vascular lesions – clinical cases 2  2. Injuries and tumors – clinical cases 2  3. Degenerative disorders – clinical cases 2  4. Students' presentations and final exam 4 | | | | | | | | | | | | | |
| Format of instruction | x lectures  x seminars and workshops  x 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 | | | 1 | (Other) | | | | |  | |
| Tests | |  | Oral exam | | |  | (Other) | | | | |  | |
| Written exam | | 0.5 | Project | | |  | (Other) | | | | |  | |
| Grading and evaluating student work in class and at the final exam | yes | | | | | | | | | | | | | |
| Required literature (available in the library and via other media) | **Title** | | | | | | | | **Number of copies in the library** | | **Availability via other media** | | | |
| Hal Blumenfeld: Neuroanatomy through Clinical Cases, 2nd Edition | | | | | | | |  | | yes | | | |
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| Optional literature (at the time of submission of study programme proposal) | * Allan Siegel and Hreday N. Sapru: Essential Neuroscience, 2nd Edition * Duane E. Haines: Neuroanatomy in clinical context, 9th Edition | | | | | | | | | | | | | |
| 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) |  | | | | | | | | | | | | | |