Svaki novi izborni predmet za ak. god. 2017./2018. treba biti napisan u ovoj tablici na HR i EN jeziku

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| **Naziv predmeta** | | | | |  | | | | | | | | | | |
| **Kod** | MFMI… | | Godina studija | | | 4. i 5. godina. | | | | | | | | | |
| **Nositelj/i predmeta** | Prof. dr. sc. Krešimir Rotim | | Bodovna vrijednost (ECTS) | | | 2 | | | | | | | | | |
| Suradnici |  | | Način izvođenja nastave (broj sati u semestru) | | | P | | S | V | | | T |  | | |
| 10 | | 6 | 9 | | |  |
| Status predmeta | Izborni | | Postotak primjene e-učenja | | | 0 | | | | | | | | | |
| **OPIS PREDMETA** | | | | | | | | | | | | | | | |
| Ciljevi predmeta | Ciljevi Kolegija Trauma glave su educirati studente o ozljedama mozga kroz njihovu patofiziologiju, dijagnostiku, liječenje te očekivane ishode. | | | | | | | | | | | | | | |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | Položen ispit iz neurokirurgije. | | | | | | | | | | | | | | |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja) | Po završetku Kolegija student bi trebao znati:   1. Opisati patofiziologiju nastanka ozljede mozga 2. Probir pacijenata kojima je potrebna hitna radiološka dijagnostika 3. Prepoznati pacijenta kojemu je potrebno hitno operacijsko liječenje. 4. Objasniti ciljeve neurokirurške operacije takvog bolesnika 5. Objasniti posljedice i očekivani ishod nakon liječenja bolesnika s traumom glave | | | | | | | | | | | | | | |
| Sadržaj predmeta detaljno razrađen prema satnici nastave | Predavanja (10 sati)   * Epidemiologija, mehanizam ozljede – Klasifikacija traumatske ozljede mozga, postupanje s bolesnikom s ozljedom mozga * Postupanje s bolesnikom s teškom traumatskom ozljedom mozga, radiološka dijagnostika * Operacija, indikacije, vremenski intervali za dekompresivnu kraniotomiju * Intrakranijski tlak i neuro-monitoring * Lakša traumatska ozljeda mozga: epidemiologija, mehanizam ozljede, klinička slika   Seminari (6 sata)   * Prikaz slučaja 1.: Epiduralni hematom i fraktura lubanje * Prikaz slučaja 2.: Subduralni hematom   Vježbe (9 sati)   * Posjet neurokirurškoj operacijskoj dvorani: Uvod * Posjet neurokirurškog operacijskoj dvorani: Organizacija. | | | | | | | | | | | | | | |
| 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 |  | | Usmeni ispit | | |  | | |  | | | | |  |
| Seminarski rad |  | |  | | |  | | | (Ostalo upisati) | | | | |  |
| Pismeni ispit | 2 | |  | | |  | | | (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** | |
| Rotim K., Sajko T. Neurokirurgija. ZVU; 2010 | | | | | | | | | |  | | |  | |
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| Dopunska literatura | Rotim K. Neurotraumatologija. Zagreb: Medicinska naklada; 2006.  Rotim K. I suradnici. Prometni traumatizam. Zagreb: Medicinska naklada; 2012  Valadka A et Andrews B. Neurotrauma. New York: Thieme: 2004. | | | | | | | | | | | | | | |
| 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 | | | | 4th and 5th | | | | | |
| Course teacher | Professor Krešimir Rotim | | | | Credits (ECTS) | | | | 2 | | | | | |
| Associate teachers |  | | | | Type of instruction (number of hours) | | | | L | S | | E | | T |
| 10 | 6 | | 9 | |  |
| Status of the course | Elective | | | | Percentage of application of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Course enrolment requirements and entry competences required for the course | Neurosurgery exam passed | | | | | | | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | On successful completion of this course, students will be able to:   1. Describe the pathophysiology and patterns of neuro-trauma 2. Triage patients for urgent radiological diagnostics 3. Identify neuro-trauma patients that require urgent surgical treatment 4. Explain the objectives in neuro-trauma surgery 5. Define the principles and outcomes brain injury | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | Lectures (10 hours):  - Epidemiology, burden of the disease, mechanisms of injury – Classification of traumatic brain injury (TBI), assessment of neuro-trauma patient  - Prehospital and initial hospital management of severe traumatic brain injury patients; neuro-imaging  - Operative care, indications, timing including decompressive craniotomy  - Intracranial pressure and neuro-monitoring (methods, timing)  - Mild traumatic brain injury: epidemiology, mechanisms, typical presentation  Seminars (6 hours):  - Case presentation 1.: Epidural hematoma and skull fracture  - Case presentation 2.: Subdural hematoma  Exercises (9 hours):  -Neurosurgery operating theatre visit: introduction  -Neurosurgery operating theatre visit: organization | | | | | | | | | | | | | |
| 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 | |  | Research | | |  | Practical training | | | | |  | |
| Experimental work | |  | Report | | |  | (Other) | | | | |  | |
| Essay | |  | Seminar essay | | |  | (Other) | | | | |  | |
| Tests | |  | Oral exam | | |  | (Other) | | | | |  | |
| Written exam | | 2 | Project | | |  | (Other) | | | | |  | |
| Grading and evaluating student work in class and at the final exam | Oral examination after the course completion; positive assessment of each student, based on active participation in class, will influence the final assessment on oral exam | | | | | | | | | | | | | |
| Required literature (available in the library and via other media) | **Title** | | | | | | | | **Number of copies in the library** | | **Availability via other media** | | | |
| Rotim K., Sajko T. Neurokirurgija. ZVU; 2010 | | | | | | | |  | |  | | | |
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| Optional literature (at the time of submission of study programme proposal) | Rotim K. Neurotraumatologija. Zagreb: Medicinska naklada; 2006.  Rotim K. I suradnici. Prometni traumatizam. Zagreb: Medicinska naklada; 2012.  Valadka A et Andrews B. Neurotrauma. New York: Thieme: 2004. | | | | | | | | | | | | | |
| 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) |  | | | | | | | | | | | | | |