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| **NAME OF THE COURSE** | | Elective course: Research protocol for your diploma thesis | | | | | | | | | | | | |
| **Code** |  | | | | Year of study | | | | 5 | | | | | |
| Course teacher | Prof. Ana Marušić | | | | Credits (ECTS) | | | | 2 | | | | | |
| Associate teachers | Prof. Matko Marušić, Ivan Buljan, dr. Ružica Tokalić | | | | Type of instruction (number of hours) | | | | L | S | | E | | F |
| 10 |  | | 15 | |  |
| Status of the course | Elective | | | | Percentage of application of e-learning | | | |  | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Course objectives | To familiarize students with protocol planning and writing for their final thesis. | | | | | | | | | | | | | |
| Course enrolment requirements and entry competences required for the course | There are no requirements – the course is opened to all students.  (We recommend that students are familiar with the potential mentor and research theme prior to the course) | | | | | | | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | - Understanding of methodological principles necessary for writing of research thesis  - Ability to perform literature search  - Planning of potential cooperation and ICMJE criteria  - Scientific writing | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | Each day will start with 2 hours of lectures, followed by 3 hours of vježbi. Each day will be dedicated to new aspects of research plan development and writing  **Day 1**  Lecture: Title, research aims and hypothesis, Literature search  Seminar: Protocol writing I  **Day 2**  Lecture: Introduction and types of research  Seminar: Protocol writing II  **Day 3**  Lecture: Sampling  Seminar: Protocol writing III  **Day 4**  Lecture: Data analysis  Seminar: Protocol writing IV  **Day 5**  Lecture: Potential value of findings and ICMJE criteria  Seminar: Protocol writing V | | | | | | | | | | | | | |
| Format of instruction | ☒ lectures  ☒ exercises  ☐ mixed e-learning  ☒ independent assignments | | | | |  | | | | | | | | |
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| Student responsibilities | Presence at teaching activities: 80% lectures, 100% seminars. | | | | | | | | | | | | | |
| 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 | | 0.25 | Individual assignments (Course essay) | | | 1.75 |  | | | | |  | |
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| Grading and evaluating student work in class and at the final exam | Written seminar and course assignments | | | | | | | | | | | | | |
| Required literature (available in the library and via other media) | **Title** | | | | | | | | **Number of copies in the library** | | **Availability via other media** | | | |
| Marušić M, ur. Principles of Research in Biomedicine and Health. Zagreb: Medicinska naklada; 2015. | | | | | | | | 5 | | - | | | |
| Ferenczi E, Muirhead N. One Stop Doc Statistics and Epidemiology. Oxford: Oxford University Press, 2007. | | | | | | | |  | |  | | | |
|  | | | | | | | |  | |  | | | |
| Optional literature (at the time of submission of study programme proposal) |  | | | | | | | | | | | | | |
| Quality assurance methods that ensure the acquisition of exit competences | Quality assessment during classes by students and teachers.  Analysis of course examination success.  Report of the Committee for quality assurance.  External evaluation (reaccreditation assessment from the Agency for Higher Education and Research) | | | | | | | | | | | | | |
| Other (as the proposer wishes to add) |  | | | | | | | | | | | | | |

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| **Naziv predmeta** | | **Izborni predmet: Protokol istraživanja za diplomski rad** | | | | | | | | | | | | | |
| **Kod** | MFMI… | | | Godina studija | | 5. | | | | | | | | | |
| **Nositelj/i predmeta** | Prof. dr. sc. Ana Marušić | | | Bodovna vrijednost (ECTS) | | 2 | | | | | | | | | |
| Suradnici | Prof. emeritus Matko Marušić, dr. med., Ivan Buljan, mag. psych., Ružica Tokalić, dr. med. | | | Način izvođenja nastave (broj sati u semestru) | | P | | S | V | | | T | Nastavu je moguće održavati u popodnevnim satima | | |
| 10 | |  | 15 | | |  |
| Status predmeta | Izborni | | | Postotak primjene e-učenja | |  | | | | | | | | | |
| **OPIS PREDMETA** | | | | | | | | | | | | | | | |
| Ciljevi predmeta | Pripremiti plan istraživanja za diplomski rad | | | | | | | | | | | | | | |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | Nema uvjeta za upis.  (Preporuka je da studenti prije početka kolegija izraze planove vezane za izradu diplomskog rada, što se odnosi na potencijalnog mentora, te temu istraživanja) | | | | | | | | | | | | | | |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja) | - poznavanje metodoloških principa potrebnih za provedbu diplomskog rada  - Poznavanje prikupljanja literature potrebne za diplomski rad  -Planiranje suradnika i doprinosa na radu prema ICMJE kriterijima  - Vještine znanstvenog pisanja | | | | | | | | | | | | | | |
| Sadržaj predmeta detaljno razrađen prema satnici nastave | Svaki nastavni dan započet će s 2 sata predavanja, nakon kojeg slijede 3 sata vježbi. Svaki dan bit će posvećen novim aspektima planiranja i provedbe istraživanja.  **Prvi dan:**  Predavanje: Naslov, cilj i hipoteza istraživačkog rada; pretraga literature  Vježba: Rad na planu istraživanja 1  **Drugi dan:**  Predavanje: Uvod u istraživački rad, nacrt istraživanja  Seminar: Rad na planu istraživanja 2  **Treći dan:**  Predavanje: Uzorak i prikupljanje podataka  Seminar: Rad na planu istraživanja 3  **Četvrti dan:**  Predavanje: Obrada podataka  Seminar: Rad na planu istraživanja 4  **Peti dan:**  Predavanje: Interpretacija rezultata, ICMJE kriteriji  Seminar: Rad na planu istraživanja 5 | | | | | | | | | | | | | | |
| 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, 100% vježbe (elektronički) | | | | | | | | | | | | | | |
| Praćenje rada studenata *(upisati udio u ECTS bodovima za svaku aktivnost tako da ukupni broj ECTS bodova odgovara bodovnoj vrijednosti predmeta):* | Pohađanje nastave | | 0,25 | |  | |  | | |  | | | | |  |
| Seminarski rad | | 1,75 | |  | |  | | | (Ostalo upisati) | | | | |  |
|  | |  | |  | |  | | | (Ostalo upisati) | | | | |  |
|  | |  | |  | |  | | | (Ostalo upisati) | | | | |  |
|  | |  | |  | |  | | | (Ostalo upisati) | | | | |  |
| Ocjenjivanje i vrjednovanje rada studenata tijekom nastave i na završnom ispitu | Seminarski rad i praktični zadatci tijekom nastave. | | | | | | | | | | | | | | |
| Obvezna literatura (dostupna u knjižnici i putem ostalih medija) | **Naslov** | | | | | | | | | | **Broj primjeraka u knjižnici** | | | **Dostupnost putem ostalih medija** | |
| Marušić M, ur. Uvod u znanstveni rad u medicini. 5. izdanje. Zagreb:Medicinska naklada; 2013. | | | | | | | | | | 20 | | |  | |
|  | Ferenczi E, Muirhead N. Doktor u jednom potezu: Statistika i epidemiologija. Zagreb: Medicinska naklada; 2012. | | | | | | | | | |  | | |  | |
| Dopunska literatura |  | | | | | | | | | | | | | | |
| 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,  -Izvan institucijska evaluacija (posjet timova za kontrolu kvalitete Nacionalne agencije za kontrolu kvalitete, uključenje u TEEP). | | | | | | | | | | | | | | |
| Ostalo (prema mišljenju predlagatelja) |  | | | | | | | | | | | | | | |