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| **NAME OF THE COURSE** | | Acid-base disorders: from physiology to practice | | | | | | | | | | | | |
| **Code** |  | | | | Year of study | | | | 2,3,4,5,6 | | | | | |
| Course teacher | Assist. prof. Joško Božić, MD, PhD | | | | Credits (ECTS) | | | | 2 | | | | | |
| Associate teachers | Prof. Dragan Ljutić, MD, PhD Assoc. prof. Tina Tičinović Kurir, MD, PhD  Marino Vilović, MD | | | | Type of instruction (number of hours) | | | | L | S | | P | | F |
| 10 | 10 | | 5 | | 25 |
| Status of the course | Elective | | | | Percentage of application of e-learning | | | | 0 % | | | | | |
| **COURSE DESCRIPTION** | | | | | | | | | | | | | | |
| Course objectives | Expansion and integration of knowledge about acid-base disorders, as well as the application of critical thinking on clinical cases from practice. | | | | | | | | | | | | | |
| Course enrolment requirements and entry competences required for the course | None | | | | | | | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | - distinguish and interpret the processes of maintaining the homeostasis of acid-base balance  - enumerate, describe and explain the clinical features associated with disorders of acid-base balance  - explain and critically interpret clinical tests in the assessment of acid-base disorders  - describe, analyze and discuss the compensation mechanisms of acid-base disorders | | | | | | | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | Lectures (10 hours)   1. Overview of maintaining acid-base balance 2. Metabolic acidosis 3. Metabolic alkalosis   Seminars (10 hours)   1. Respiratory acidosis 2. Respiratory alkalosis 3. Mixed acid-base balance disorders 4. Integration   Practice (5 hours)   1. Presentation of clinical cases of acid-base disorders | | | | | | | | | | | | | |
| Format of instruction | - Lectures  - Seminars  - Practice | | | | |  | | | | | | | | |
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| Student responsibilities | In accordance with the Rules of the study and the study system and Deontological code for students of Medical school in Split. | | | | | | | | | | | | | |
| 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)* | Attendance | | 0,5 |  | | |  |  | | | | |  | |
| Seminar paper | | 0,5 |  | | |  |  | | | | |  | |
| Written exam | | 1,0 |  | | |  |  | | | | |  | |
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| 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. Kasper DL et al. Harrison's principles of internal medicine, 19th edition. McGraw Hill Education, 2015. | | | | | | | |  | |  | | | |
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| Optional literature (at the time of submission of study programme proposal) | 1. McCance KL, Huether SE. Pathophysiology-the biologic basis for disease in adults and children, 7th edition. Elsevier, 2014. | | | | | | | | | | | | | |
| Quality assurance methods that ensure the acquisition of exit competences | * Quality control analysis by the students and teachers * Analysis exam passing * Report of the Committee for the teaching quality control * Extrainstitutional evaluation (teams for quality control of the National Agency for quality control, inclusion to TEEP) | | | | | | | | | | | | | |
| Other (as the proposer wishes to add) |  | | | | | | | | | | | | | |

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| **NAZIV PREDMETA** | **Poremećaji acidobaznog statusa: od fiziologije do prakse** | | | | | | | | | | | | |
| **Kod** | |  | | | Godina studija | | | | 2,3,4,5,6 | | | | |
| **Nositelj/i predmeta** | | Doc. dr. sc. Joško Božić | | | Bodovna vrijednost (ECTS) | | | | 2 | | | | |
| Suradnici | | Prof. dr. sc. Dragan Ljutić  Izv. prof. dr. sc. Tina Tičinović Kurir Marino Vilović, dr. med | | | Način izvođenja nastave (broj sati u semestru) | | | | P | S | | V | U |
| 10 | 10 | | 5 | 25 |
| Status predmeta | | Izborni | | | Postotak primjene e-učenja | | | | 0% | | | | |
| **OPIS PREDMETA** | | | | | | | | | | | | | |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | | Nema | | | | | | | | | | | |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja) | | - razlučiti i interpretirati procese održavanja homeostaze acido-bazne ravnoteže  - nabrojiti, opisati i objasniti kliničke značajke povezane s određenim poremećajima acido-bazne ravnoteže  - objasniti i kritički interpretirati testove u procjeni acido-baznih poremećaja  - opisati, raščlaniti i raspraviti kompezacijske mehanizme acido-baznih poremećaja | | | | | | | | | | | |
| Sadržaj predmeta detaljno razrađen prema satnici nastave | | Predavanja (10 student sati)   1. Pregled održavanja acido-bazne ravnoteže 2. Metabolička acidoza 3. Metabolička alkaloza   Seminari (10 student sati)   1. Respiracijska acidoza 2. Respiracijska alkaloza 3. Mješoviti poremećaji acido-bazne ravnoteže 4. Integracija   Vježbe (5 student sati)   1. Prikaz kliničkih slučajeva acido-baznih poremećaja | | | | | | | | | | | |
| 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 | | U skladu s Pravilnikom o studiju i sustavu studiranja i Deontološkim kodeksom za studente Medicinskog fakulteta u Splitu. | | | | | | | | | | | |
| 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 | Istraživanje | | |  | Praktični rad | | | |  | |
| Eksperimentalni rad |  | Referat | | |  | (Ostalo upisati) | | | |  | |
| Esej |  | Seminarski rad | | | 0,5 | (Ostalo upisati) | | | |  | |
| Kolokviji |  | Usmeni ispit | | |  | (Ostalo upisati) | | | |  | |
| Pismeni ispit | 1,0 | Projekt | | |  | (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. Kasper DL et al. Harrison's principles of internal medicine, 19th edition. McGraw Hill Education, 2015. | | | | | | |  | |  | | |
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| Dopunska literatura | | 1. McCance KL, Huether SE. Pathophysiology-the biologic basis for disease in adults and children, 7th edition. Elsevier, 2014. | | | | | | | | | | | |
| 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) | |  | | | | | | | | | | | |