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| 1 | Subject | Forensic medicine and dentistry | | | |
| 2 | Code | DSM602 | | | |
| 3 | Study Program | Study Program of Integrated studies in dental medicine | | | |
| 4 | Organizing Institution (Unit, Institute, Chair, Department) | Ss Cyril and Methodius University, Medical Faculty, Department of Forensic Medicine | | | |
| 5 | Educational degree (first or second cycle) | Integrated study | | | |
| 6 | Study year/semester | 6/ 11 | 7 | Number of credits | 3 |
| 8 | Teacher | Prof. Verica Poposka, PhD, MD *The theoretical course is performed by all the teachers on the Department for Forensic medicine | | | |
| 9 | Preconditions | Passed all compulsory courses of 7 and 8 semester. Signatures of 9 and 10 semester courses | | | |
| 10 | Teaching goals: <ul style="list-style-type: none"> • Forensic autopsy and indications for forensic autopsy, differentiating violent from natural death adoption and mastering of skills for determination of death, signs of death, cause of death • mastering skills of description of mechanical injuries, chemical injuries, injuries due to heat, injuries due to cold, electrocution, lightning, asphyxia injuries and nutritive injuries • Mastering skills for identification: gender, age, forensic DNA identification. • Mastering skills for dental identification in mass accidents • Skills for forensic expertise of body injuries, especial of stomatognathic system • Mastering skills for writing medical expertise for dental injuries • Adaption of the skill for examination of the dental tissues during autopsy and securing material evidence • Knowledge for analyzing and description of bite wounds | | | | |
| 11 | Brief content | | | | |
| | Theoretical course | | | | Class |
| | Introduction, teaching goals, Forensic autopsy, indication and types of autopsies | | | | 2 |
| | Thanatology. Agony, dying, death, and types of death, cause of death | | | | 2 |
| | Signs of death – uncertain signs, early post-mortem signs, and certain or later post-mortem signs. Estimation of time since death. | | | | 2 |
| | Forensic traumatology. Mechanical injuries | | | | 2 |
| | Injuries due to heat, cold, electrocution, microwave, laser. Chemical injuries, | | | | 2 |
| | Asphyxia injuries, nutritional injuries | | | | 2 |
| | Violent death - murder, suicide, and accident | | | | 2 |
| | Identification of living, and of deceased, skeletonized. (gender, age, height) | | | | 2 |
| | Dental identification, procedure and analysis. Dental identification in mass disasters. Medical documentation | | | | 2 |
| | Determination of age with expertise of dentition, determination of gender and race with dental and cranio facials characteristics | | | | 2 |
| | Developmental and acquired changes of the teeth. Comparison of premortal and postmortem dental characteristics, dna identification | | | | 2 |
| | Injuries of soft tissues bite injuries. Classification of the injuries of stomatognathic system | | | | 2 |
| | Medicolegal expertise, medicolegal expertise of injuries | | | | 2 |
| | Medico-legal comment on the provisions of the criminal law for negligence, negligent treatment, failure to provide medical assistance, quackery, professional secrecy Malpractice in stomatology, most frequent medical errors, criminal prosecutions | | | | 2 |

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| | Medicolegal expertise in stomatology | | 2 | |
| | Total | | 30 | |
| | Practical lessons: | | Class | |
| | Medico-legal autopsy. Performing technique of medico-legal autopsy. Goals and indications for medico-legal autopsy. Securing biological traces and material for toxicology | | 3 | |
| | Examination of dentate during the autopsy and determination of the age | | 2 | |
| | Determination of gender and age with facial bones. Dna identification. Isolation of dna from teeth | | 2 | |
| | Medial documentation, examination and issuing medical document for injuries of the stomatognathic system with case reports | | 2 | |
| | Materials and instruments for dental identification. Records for dental status according INTERPOL formulas. Comparison of ante mortem and postmortem records | | 2 | |
| | Recognition and description of injuries of stomatognathic system. Analyses of bite injuries on the body. Methods for comparison of bites and identification of the offender | | 2 | |
| | Medicolegal expertise of the medical examinations. Case reports | | 2 | |
| | Total | | 15 | |
| 12 | Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper | | | |
| 13 | Total available time | 90 classes | | |
| 14 | Organization of the course | 30 classes - theoretical course, 15 classes- practical course, 45 classes - home individual learning and other activities | | |
| 15 | Forms of teaching activities | 15.1. | Theoretical course | 30 classes |
| | | 15.2. | Practical course, seminars | Practical course - 15 classes |
| 16 | Other forms of activities | 16.1. | Project tasks | |
| | | 16.2. | Individual tasks | |
| | | 16.3. | Individual (home) learning | 45 classes |
| 17 | Method of assessment | 17.1. | Tests | 12-20 points |
| | | 17.2. | Active participation (Theoretical and practical course) – 10 points, seminar paper/project (oral/written presentation) – 5 points seminars are not obligatory | Theoretical course - 3-5 points Practical course 3-5 points |
| | | 17.3. | Final (oral) exam/final written exam | 42 – 70 points |
| 18 | Grading criteria (points / grade) | Up to 59 points | | 5 (five) (F) |
| | | from 60 to 67 points | | 6 (six) (E) |
| | | from 68 to 75 points | | 7 (seven) (D) |
| | | from 76 to 84 points | | 8 (eight) (C) |
| | | from 85 to 93 points | | 9 (nine) (B) |
| | | from 94 to 100 points | | 10 (ten) (A) |
| 19 | Requirement for signature and taking the final exam | <p>The student is required to actively follow all of the planned activities.</p> <p>Conditional criteria for assessment of knowledge:</p> <p>In order to get a signature, the student should obtain minimum points in both theoretical and practical courses, and to present seminar paper;</p> <p>In order to take the final exam, the student should obtain the minimum points from activity and test;</p> | | |

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| | | If the student has not obtained the minimum points in the continual assessments, he/she in next exam session will have paper part of the exam (40 points) and final exam (60 points) | | | | |
| 20 | Language of the course | English | | | | |
| 21 | Method for evaluation of the quality of education | Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities | | | | |
| 22 | Literature | | | | | |
| | 22.1. | Mandatory textbooks | | | | |
| | | No. | Author | Title | Publisher | Year |
| | | 1 | Dominick DiMaio, Vincent J.M. DiMaio, M.D. | Forensic pathology | CRC Press LLC | 2001 |
| | | 2 | Milos Tasic and ass. | Sudska medicina | Zmaj Novi Sad | 2007 |
| | | 3 | Janeska and associates | Praktikum po sudska medicina | | 2019 |
| | | 4 | Brkic H. And ass. | Forenzicna stomatologija | Skolska knjiga Zagreb | 2000 |
| | 22.2. | Additional literature | | | | |
| | | No. | Author | Title | Publisher | Year |
| | | 1 | Zecevic and ass | Sudska medicina i deontologija | Medicinska naklada, Zagreb | 2004 |
| | | 2 | C. Michael Bowers | Forensic Dental Evidence, Investigator's Handbook | Elsevier academic press | 2004 |