**SYLLABUS**

1. **Programme Details**

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| **1.1.** | **GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY IASI** | | | | | | | |
| **1.2.** | **FACULTY : DENTAL MEDICINE / DEPARTMENT:** SURGERY | | | | | | | |
| **1.3.** | **DISCIPLINE:** GENERAL ANESTESIOLOGY | | | | | | | |
| **1.4.** | **FIELD of STUDY:** **HEALTH** | | | | | | | |
| **1.5.** | **STUDY CYCLE: BACHELOR** | | | | | | | |
| **1.6.** | **PROGRAMME of STUDY: Dental Medicine - English** | | | | | | | |
| 1. **Discipline Details** | | | | | | | | |
| **2.1.** | **Name of the Discipline:** GENERAL ANESTESIOLOGY | | | | | | | |
| **2.2.** | **Teaching staff in charge with lectures:** Sef Lucr.Dr. Boisteanu Otilia | | | | | | | |
| **2.3.** | **Teaching staff in charge with seminar activities:** Sef Lucr. Dr. Boisteanu Otilia, Asist.univ.dr. Rosu Florin | | | | | | | |
| **2.4. Year** | | **III** | **2.5. Semester** | **I** | **2.6. Type of evaluation** | C1 | **2.7. Discipline regimen** | Compulsory |

1. **Overall Time Estimates (hours/semester of didactic activity)**

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| * 1. **Number of hours per week** | 4 | **Of which: 3.2. lectures** | | 2 | * 1. **seminar/ laboratory** | 2 |
| * 1. **Total hours in the curriculum** | 44 | **Of which: 3.5. lectures** | | 22 | **3.6. seminar/ laboratory** | 22 |
| **Distribution of time** |  |  | |  |  | Hours |
| **Study time using coursebook materials, bibliography and notes** | | | | | | 12 |
| **Further study time in the libray, online and in the field** | | | | | | 8 |
| **Preparation time for seminars / laboratories, homework, reports, portfolios and essays** | | | | | | 5 |
| **Tutoring** | | | | | | 3 |
| **Examinations** | | | | | | 2 |
| **Other activities** | | | | | | 1 |
| **3.7. Total hours of individual study** | | |  | | | 33 |
| **3.8. Total hours / semester** | | |  | | | 44 |
| **3.9. Number of credits** | | |  | | | 3 |

1. **Prerequisites (where applicable)**

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| **4.1. curriculum** |  |
| **4.2. competences** |  |

1. **Conditions (where applicable)**

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| **5.1. for lecture delivery** |  |
| **5.2. for seminar / laboratory delivery** |  |

1. **Specific Competences Acquired**

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| **Professional Competences (knowledge and skills)** | To learn the indications of general anesthesia used in dentistry, oral and maxillofacial surgery  To Know the principles of sedation in dentistry, oral surgery and facial maxilla  To be able to assess the degree of risk of the patient and its implications in choosing the methods of general anesthesia |
| **Transversal Competences (roles, personal and professional development)** | • To demonstrate preoccupation for professional development  • To participate in scientific projects, compatible with the requirements of integration into European education |

1. **Obiectives of the Discipline (related to the acquired competences)**

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| **7.1. General Obiective** | To familiarize with general anesthetic methods |
| **7.2. Specific Obiectives** | To learn the methods, indications and techniques of general anesthesia used in dentistry, oral and maxillofacial surgery  To learn the principles of sedation in dentistry, oral surgery and facial maxilla |

1. **Contents**

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| **8.1. Lecture** | **Teaching methods** | **Comments** |
| 1. Particularities related to the patient and imposed by the therapeutic act in anesthesia from dental medicine | PowerPoint | 2 hours |
| 2. Mechanism and dynamics of general anesthesia | PowerPoint | 2 hours |
| 3. Phases of general anesthesia | PowerPoint | 2 hours |
| 4. Drugs used in general anesthesia. Inhaled anesthetics. Intravenous anesthetics. Opioids. Relaxing muscles drugs | PowerPoint | 2 hours |
| 5. Intra-anesthetic monitoring | PowerPoint | 2 hours |
| 6. Complications of general anesthesia | PowerPoint | 2 hours |
| 7. Indications of general anesthesia in dentistry, oral surgery and ambulatory maxillo-facial surgery | PowerPoint | 2 hours |
| 8. Particularities of General Anesthesia in ambulatory surgery. | PowerPoint | 2 hours |
| 9. General anesthesia techniques in dentistry, ambulatory oral and maxillofacial surgery | PowerPoint | 2 hours |
| 10. Sedation in dentistry, oral surgery and maxillo-facial outpatient | PowerPoint | 2 hours |
| 11. Post anesthesia care unit | PowerPoint | 2 hours |
| **Bibliography**   1. Course Support 2. Ioana Grigoras: Anestezie si terapie intensiva. Principii de baza. Institutul European, 2007. 3. 2.Irina Iuliana Costache. Evaluarea cardiovasculara preoperatorie in interventiile chirurgicale non-cardiace. Capitol: Particularitati de evaluare si monitorizare perioperatorie in cazul interventiilor chirurgicale din sfera maxilo-faciala. Victor Costan, Otilia Boisteanu. Edit PIM Iasi, 2017-11-28 4. Acalovschi I. Anestezie clinica, 2015, Cluj Napoca | | |
| **8.2. Seminar / Laboratory** | **Teaching methods** | **Comments** |
| Pre-Anesthetic Clinical Assessment. Premedication. Clinical cases | Practical application | 8 hours |
| Presentation of the equipment and substances necessary for general ambulatory anesthesia | Practical application | 4 hours |
| Presentation of the equipment and substances necessary for the administration of sedation in ambulatory conditions. | Practical application | 4 hours |
| Post anesthesia care unit. Monitoring and intensive care of the patient in post-general anesthesia / post sedation | Practical application | 2 hours |
| Performing the central and peripheral venous access | Practical application | 2hours |
| Cardio-respiratory resuscitation - major complication of anesthesia | Practical application | 2 hours |
| **Bibliography**   1. Course Support 2. Ioana Grigoras: Anestezie si terapie intensiva. Principii de baza. Institutul European, 2007. 3. 2.Irina Iuliana Costache. Evaluarea cardiovasculara preoperatorie in interventiile chirurgicale non-cardiace. Capitol: Particularitati de evaluare si monitorizare perioperatorie in cazul interventiilor chirurgicale din sfera maxilo-faciala. Victor Costan, Otilia Boisteanu. Edit PIM Iasi, 2017-11-28 4. Acalovschi I. Anestezie clinica, 2015, Cluj Napoca | | |

1. **Correlations between the contents of the discipline and the expectations of the epistemic community, of profesional associations and of employers in the field**

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| Knowledge and skills are set as teaching objectives and specified as such in analytical programs reviewed annually. After analysis within the discipline, these are discussed and approved within the Curriculum Bureau, in the sense of harmonization with other disciplines. Throughout this process, the correspondence between content and the expectations of the academic community, community representatives, professional associations and employers is systematically assessed, as far as possible. As a primary goal, the discipline aims to provide students with the optimal prerequisites for the next years of study in the Bachelor of Medicine program, in order to successfully hire, immediately after graduation, residency programs in Romania and other EU countries. |  |

1. **Evaluation**

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| **Type of activity** | **10.1. Evaluation criteria:** | **10.2. Methods of evaluation** | **10.3. Percentage of final grade** |
| **10.4. Lecture** | Grade for multiple choice test | standardized multiple choice test | 50% |
| **10.5. Seminar / Laboratory** | Average grade of ongoing examinations | ongoing evaluation | 10% |
| Grade for practical examination | practical exam | 40% |
| **Minimum standard of performance: at least grade 5 to pass the discipline** | | | |

**Date: 11.10.2018 Signiture of Didactic Co-ordinator**

**Sef Lucr. Dr. Boisteanu Otilia**

**Signiture of Department Director Prof. Univ.Dr. Popescu Eugenia**