**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: Implantology, Partially removable dentures, Dentures technology** | | | | | | | |
| **1.3.** | **DISCIPLINE: DENTAL INSTRUMENTS AND APPLIANCES FOR DENTAL MEDICINE** | | | | | | | |
| **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: DENTAL INSTRUMENTS AND APPLIANCES FOR DENTAL MEDICINE** | | | | | | | |
| **2.2.** | **Teaching staff in charge with lectures:** conf. Dr. Iordache Cristina | | | | | | | |
| **2.3.** | **Teaching staff in charge with seminar activities:** conf. Dr. Iordache Cristina | | | | | | | |
| **2.4. Year** | | **III** | **2.5. Semester** | **II** | **2.6. Type of evaluation** | C2 | **2.7. Discipline regimen** | Compulsory |

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

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| * 1. **Number of hours per week** | 5 | **Of which: 3.2. lectures** | | 2 | * 1. **seminar/ laboratory** | 3 |
| * 1. **Total hours in the curriculum** | 56 | **Of which: 3.5. lectures** | | 14 | **3.6. seminar/ laboratory** | 42 |
| **Distribution of time** |  |  | |  |  | Hours |
| **Study time using coursebook materials, bibliography and notes** | | | | | | 4 |
| **Further study time in the libray, online and in the field** | | | | | | 5 |
| **Preparation time for seminars / laboratories, homework, reports, portfolios and essays** | | | | | | 5 |
| **Tutoring** | | | | | |  |
| **Examinations** | | | | | | 5 |
| **Other activities** | | | | | |  |
| **3.7. Total hours of individual study** | | |  | | | 19 |
| **3.8. Total hours / semester** | | |  | | | 75 |
| **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)** | Knowledge of equipment and instruments (static, dynamic, rotary) used during different therapeutic maneuvers |
| **Transversal Competences (roles, personal and professional development)** | Knowledge of equipment and instruments (static, dynamic, rotary) used during different therapeutic maneuvers |

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

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| **7.1. General Obiective** | * To comprehend the dental instruments and device in dental practice; * To corroborate specific instruments and usual working phases in current dental practice in order to demonstrate the correct diagnosis and adequate management; |
| **7.2. Specific Obiectives** | To acquire the practical abilities for the accurate application of the instruments and devices in dental office |

1. **Contents**

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| **8.1. Lecture** | | **Teaching methods** | **Comments** |
| 1.Introduction. Dental instruments history. Instruments used in dentistry  Instruments and equipment used in prevention of oral diseases | | Prelegere , Prezentare PPT | 2h |
| 2. Instruments and equipment used in dental restoration | | Prelegere , Prezentare PPT | 2h |
| 3. Instruments and equipment used in endodontics | | Prelegere , Prezentare PPT | 2h |
| 4. Instruments and equipment used in periodontal diseases | | Prelegere , Prezentare PPT | 2h |
| 5. Instruments and equipment used in prosthetic | | Prelegere , Prezentare PPT | 2h |
| 6. Instruments used in oral and maxillo-facial surgery  Instruments and equipment used in implantology  Instruments used in orthodontics and pedodontics | | Prelegere , Prezentare PPT | 2h |
| 7. Preparing of dental tools and equipment and sequence of using them in various dental maneuvers. | | Prelegere , Prezentare PPT | 2h |
| **Bibliography**  1. Carmen Scheller, Basic Guide to Dental Instruments, Blackwell munksgaard  2. Linda R. Bartolomucci Boyd , dental Instruments, A Pocket guide, 4th edition, Elsevier Saunders | | | |
| **8.2. Seminar / Laboratory** | **Teaching methods** | | **Comments** |
| 1.Knowledge of equipments and instruments (static, dynamic, rotary) used in prevention of oral diseases and in dental restoration | Prelegere , Prezentare PPT | | 8h |
| 2. Knowledge of equipments and instruments (static, dynamic, rotary) used in endodontics | Prelegere , Prezentare PPT | | 4h |
| 3. Knowledge of equipments and instruments (static, dynamic, rotary) used in periodontal diseases | Prelegere , Prezentare PPT | | 4h |
| 4. Knowledge of equipments and instruments (static, dynamic, rotary) used in prosthetic | Prelegere , Prezentare PPT | | 4h |
| 5. Knowledge of equipments and instruments (static, dynamic, rotary) used in orthodontics and pedodontics | Prelegere , Prezentare PPT | | 4h |
| 6. Knowledge of equipments and instruments (static, dynamic, rotary) used in oral and maxillo-facial surgery | Prelegere , Prezentare PPT | | 4h |
| 7. Knowledge of equipments and instruments (static, dynamic, rotary) used in implantology | Prelegere , Prezentare PPT | | 4h |
| 8. Preparing of dental tools and equipment and sequence of using them in various dental maneuvers. | Prelegere , Prezentare PPT | | 10h |
| **Bibliography**  1. Carmen Scheller, Basic Guide to Dental Instruments, Blackwell munksgaard  2. Linda R. Bartolomucci Boyd , dental Instruments, A Pocket guide, 4th edition, Elsevier Saunders | | | |

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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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: Signiture of Didactic Co-ordinator**

**CONF DR. IORDACHE CRISRINA**

**Signiture of Department Director CONF DR. DIACONU POPA DIANA**