# DISCIPLINE SHEET

## 1. Study programme

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| 1.1. | "CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST |
| 1.2. | FACULTY OF DENTISTRY |
| 1.3. | DEPARTMENT: 2nd |
| 1.4. | DISCIPLINE: PREVENTIVE DENTISTRY |
| 1.5. | STUDY DOMAIN: Health, sectoral regulated within the European Union |
| 1.6. | STUDY LEVEL: I (Bachelor's degree) and II (Master's degree) |
| 1.7. | STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH |

## 2. Discipline

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| 2.1. | Discipline name according to the study curriculum: PREVENTIVE DENTISTRY II | | | | |
| 2.2. | Discipline code: MD03S01EN | | | | |
| 2.3. | Discipline type (FD/SD/CD): SD | | | | |
| 2.4. | Discipline optionality (COD/ED/FAD): COD | | | | |
| 2.5. | Lectures tenure: Assoc. Prof. Dr. Cristian FUNIERU | | | | |
| 2.6. | Practical classes / seminar tenure:<br>Teaching assistant Dr. Andreea MOLDOVEANU<br>Teaching assistant Dr. Clara Ilinca BICA | | | | |
| 2.7. Year of study | III | 2.8. Semester | VI | 2.9. Evaluation (E/C/V) | E |

## 3. Estimated total time (hours/ semester of teaching and training activity /individual study)

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|---|---|---|---|---|---|---|
| I. University training | | | | | | |
| 3.1. Number of hours per week | 5 | from which: | 3.2. lecture | 2 | 3.3. practical class/ seminar | 3 |
| 3.4. Total hours in the study curriculum | 70 | from which: | 3.5. lecture | 28 | 3.6. practical class/ seminar | 42 |
| II. Preparation/ individual study | | | | | | |
| Time distribution | | | | | | hours |
| Study of lecture materials, textbooks, books, study of the minimum recommended bibliography | | | | | | 28 |
| Additional documentation activity in the library, on online platforms | | | | | | 11 |
| Specific preparation activities for projects, practical classes, preparation of assignments, reports | | | | | | 13 |
| Preparation for presentations or evaluations, preparation for the final examination | | | | | | 11 |
| Tutoring activity | | | | | | 9 |
| Other activities | | | | | | 8 |
| 3.7. Total hours of individual study | | | | | | 80 |
| 3.8. Total hours per semester (3.4.+3.7.) | | | | | | 150 |
| 3.9. Number of credits | | | | | | 5 |

**4. Prerequisites (where appropriate)**

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| **4.1. curriculum** | Knowledge of:<br>− biochemistry, biophysics<br>− anatomy<br>− physiology/pathophysiology<br>− microbiology<br>− behavioral sciences<br>− teeth morphology<br>− ergonomics |
| **4.2. proficiencies** | To know:<br>− patient management<br>− medical terms<br>− patients' history and assessment forms, dental check-up |

**5. Conditions (where appropriate)**

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| **5.1. for lecture activity** | − classroom<br>− computer, video projector, blackboard<br>− access to online education tools |
| **5.2. for practical class/ seminar activity** | − dental offices, seminar room<br>− dental instruments and materials<br>− dental training manikins (simulators) |

**6. Learning outcomes***

| Knowledge | Skills | Responsibility and autonomy |
|---|---|---|
| **K1:** Describing oral hygiene methods (mechanical and chemical) | **S1.1:** Hands-on development of brushing methods (manual and mechanical)<br>**S1.2:** Using interdental aids according to different cases (patients) | **RA1:** Selecting and planning the oral hygiene methods in order to prevent oral diseases |
| **K2:** Identify, explain and describe methods for checking the oral hygiene efficiency | **S2:** Making plaque scores and charts | **RA2:** Evaluation of oral hygiene effectiveness by managing the plaque scores charts |
| **K3:** List and describe the methods for preventing dental caries using diet control | **S3:** Making diet rules based on caries and periodontal risks | **RA3:** Management of diet documents and analyze the impact of diet on oral pathology |
| **K4:** List and describe the fluoridation methods used for caries prevention | **S4.1:** Choose and apply the right fluoridation method according to the dental status<br>**S4.2:** Developing all the clinical steps of every local professional fluoridation method | **RA4:** Planning the professional local fluoridation sessions (number, frequency, substances used) |
| **K5:** Describing the preventive methods used for removing dental calculus (risk factor for periodontal disease) | **S5:** Staging and performing manual and mechanical scaling and the post-scaling surface polishing procedures | **RA5:** Respect all clinical scaling rules and protocols |
| **K6:** Describing the methods used for dental sealing | **S6:** Performing the clinical steps of dental sealing procedures | **RA6:** Management and evaluation of dental sealing protocols |

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|---|---|---|
| **K7:** Identifying and developing the personalized preventive care plan – to different patients (cases) | **S7:** Performing, personalizing and staging the preventive care plan, according to the patient's local and general pathology | **RA7:** Integration and planning the preventive methods – focused on patient parameters (physiological and pathological) |

**7. Discipline objectives (correlated with learning outcomes)**

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| **7.1. General objective** | Understanding and learning the concepts of preventive dentistry |
| **7.2. Specific objectives** | **OSP1:** Description and running the oral hygiene methods (correlated to K1/K2, S1.1/S1.2/A2 and RA1/RA2)<br>**OSP2:** Description and running the dietary rules in order to prevent dental caries (correlated to K3, S3 and RA3)<br>**OSP3:** Identifying and running the most effective fluoridation methods depending on dental and general status (clinical protocols) (correlated to K4, S4.1/S4.2 and RA4)<br>**OSP4:** Describing and compare the scaling and post-scaling clinical procedures (correlated to K5, S5 and RA5)<br>**OSP5:** Description and running the clinical procedures for dental sealing (correlated to K6, S6 and RA6)<br>**OSP6:** Identifying, personalize and planning the preventive oral measures (correlated to K7, S7 and RA7) |

**8. Contents**

| **8.1. Lecture** | **Teaching methods** | **Observations** |
|---|---|---|
| **1.** Mechanical plaque control – toothbrushing | Interactive exposures of the proposed topics using media and power point presentations | |
| **2.** Mechanical plaque control – interdental care | | |
| **3.** Chemical plaque control – antiseptics and antibiotics | | |
| **4.** Chemical plaque control – dentifrices, mouthwashes and others | | |
| **5.** Test | | |
| **6.** Diet, dietary analysis and guidelines for caries prevention (Part I) | | |
| **7.** Diet, dietary analysis and guidelines for caries prevention (Part II) | | |
| **8.** Test retake + recap | | |
| **9.** Fluoridation (Part I) | | |
| **10.** Fluoridation (Part II) | | |
| **11.** Dental sealants | | |
| **12.** Early caries lesions | | |
| **13.** Scaling and root planning | | |
| **14.** The dental hygiene care plan | | |
| **8.2. Practical classes/ seminar** | **Teaching methods** | **Observations** |
| **1.** Plaque disclosure – plaque scores (2) | Practical sessions (clinical or simulations – hands on), reports, power point presentations, video sessions | |
| **2.** Manual toothbrushes and toothbrushing (1) | | |
| **3.** Manual toothbrushes and toothbrushing (2) | | |
| **4.** Electric toothbrushes and toothbrushing | | |
| **5.** Interdental care (dental floss, interdental and single-tuft brush, interdental tip, toothpicks) | | |
| **6.** Dentifrices and mouthrinses | | |
| **7.** Topical fluoride applications (1) | | |

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|---|---|---|
| **8.** Topical fluoride applications (2) | | |
| **9.** Dental sealants | | |
| **10.** Manual scaling | | |
| **11.** Ultrasonic scaling and root planning | | |
| **12.** Recap | | |
| **13.** Colloquium | | |
| **14.** Colloquium retake | | |

**Recent bibliography:**


1. Mallonee LF, Boyd LD, Wyche CJ. Wilkin's Clinical Practice of the Dental Hygienist. 13th Edition. Wolters Kluwer, 2021; Jones & Bartlett Learning 5 Wall Street Burlington, MA, USA
2. Pieren JA, Bowen DM. Darby and Walsh Dental Hygiene. 5th Edition. 2019 Elsevier-Saunders, St. Louis, Missouri 63043 USA
3. John J. Textbook of Preventive and Community Dentistry. Third Edition, 2017. CBS Publishers & Distributors Pvt Ltd, CBS PLAZA, 4819/XI Prahlad Street, 24 Ansari Road, Daryaganj, New Delhi-110002, India
4. Theile CMW, Weinberg MA, Segelnick SL. Clinical Cases in Dental Hygiene, 2019 John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, USA


**Journals:**

- Oral Health and Preventive Dentistry
- International Journal of Dental Hygiene
- Community Dentistry and Oral Epidemiology
- Journal of Public Health Dentistry
- Community Dental Health

**9. Assessment**

| Activity type | 9.1. Evaluation criteria | 9.2. Evaluation methods | 9.3. Percentage of final grade |
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| **9.4. Lecture** | **A. Knowledge for mark 5:** Basic elements containing in the proposed topics (lectures); the answers should not contain serious errors.<br><br>**B. Additional knowledge for mark 10** In-depth knowledge of the proposed topics (lectures), knowledge of all bibliography; Generally, correct answers to all questions. | **Exam (editorial)** | **60%** |
| | | **Test (editorial)** | **30%** Passing the tests with a minimum grade of 5 (in one of two attempts) is mandatory |

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| **9.5. Practical classes/ seminar** | **A. Knowledge for mark 5:** Basic elements containing in the proposed topics (laboratory sessions); the answers should not contain serious errors.<br><br>**B. Additional knowledge for mark 10** In-depth knowledge of the proposed topics (laboratory sessions), knowledge of all bibliography; Generally, correct answers to all questions | **Practical assessment – periodic seminars** | **10%** |
| | | **Colloquium** | **Passed/rejected** *Passing the colloquium (in one of two attempts) is mandatory* |
| **9.5.1. Individual project** (if any) | - | - | - |
| **Minimum performance standard** | | | |
| Basic knowledge of preventive dentistry | | | |