



**“CAROL DAVILA” UNIVERSITY
OF MEDICINE AND PHARMACY BUCHAREST**
Faculty of Dentistry
Dental Medicine in English



DISCIPLINE GRID

1. Programme:

| | |
|------|--|
| 1.1. | CAROL DAVILA UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST |
| 1.2. | FACULTY OF DENTISTRY / 2nd DEPARTMENT |
| 1.3. | DIVISION PREVENTIVE DENTISTRY |
| 1.4. | STUDY DOMAIN: Health, sectorial regulated within European Union |
| 1.5. | STUDY LEVEL: LICENCE |
| 1.6. | STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH |

2. Discipline:

| | | | | | | | |
|-----------------|---|---------------|----|-----------------|------|-------------------------|-------|
| 2.1. | DISCIPLINE NAME: PREVENTIVE DENTISTRY II | | | | | | |
| 2.2. | LOCATION: Eforiei Clinic, 4-6 Eforiei street, 3rd Floor | | | | | | |
| 2.3. | Lectures tenure: Assoc. Prof. Dr. Cristian FUNIERU | | | | | | |
| 2.4. | Practical classes tenure: Teaching assistant Dr. Andreea MOLDOVEANU Teaching assistant Dr. Clara Ilinca BICA | | | | | | |
| 2.5. Study year | III | 2.6. Semester | VI | 2.7. Evaluation | Exam | 2.8. Type of discipline | CD/SD |

3. Estimated total time (hours/semester):

| | | | | |
|---|-----------|--------------|---------------------|--------------------------------|
| No. hours/week | 5 | out of which | Lectures: 2 | Laboratory sessions: 3 |
| Total hours out of learning schedule | 70 | out of which | Lectures: 28 | Laboratory sessions: 42 |

| Time distribution | hours |
|---|------------|
| Textbook study, lecture support, bibliography and notes | 28 |
| Supplementary documentation activity in the library, on online platforms | 6 |
| Practical activity support material, homework, portfolio and essays | 14 |
| Tutorial activity | - |
| Examinations | 4 |
| Other activities | 3 |
| Total hours of individual study | 55 |
| Total hours per semester | 125 |
| Credits | 5 |

4. Preconditions:

| | |
|---------------------------|---|
| 4.1. Curriculum | Knowledge of: <ul style="list-style-type: none"> - anatomy, chemistry, biochemistry - physiology, pathophysiology, immunology, histology, microbiology - behavioral sciences, ergonomics, teeth morphology |
| 4.2. Proficiencies | To know: <ul style="list-style-type: none"> - patient management - medical terms - dental office base structure |

5. Conditions:

| | |
|-------------------------------------|---|
| 5.1. for lecture activity | Large hall Computer, video projector, blackboard Access to online education tools |
| 5.2. for laboratory activity | Dental offices, seminar room Dental instruments and materials Dental training manikins (simulators) |

6. Accumulated skills:

| | |
|--|--|
| 6.1. Proficiencies (knowledge and abilities) | I. Knowledge (cognitive dimension) <ul style="list-style-type: none"> - How to define primary concepts of preventive dentistry - Learning methods for preventing caries and periodontal pathology - Knowing clinical and educational methods for prevention in dentistry II. Abilities (functional dimension) <ul style="list-style-type: none"> - Learning how to brush the teeth and manage the interdental cleaning procedures - Learning how to prevent caries and periodontal diseases (topical fluoride treatments, plaque disclosures and scores, dental sealants and scaling) |
| 6.2. Transversal skills (role, professional and personal development) | III. Role skills <ul style="list-style-type: none"> - Possibility of accessing, processing and interconnecting skills with concepts from others disciplines - Identification of possible roles and responsibilities in a multidisciplinary team and apply communication and efficient work techniques in relation to patients IV. Professional and personal development skills <ul style="list-style-type: none"> - Efficient usage of information and communication resources - Identifying possible topics and hypothesis for research |

7. Objectives (based on the grid of acquired specific skills):

| | |
|---------------------------------|---|
| 7.1. General Objective | Understanding and learning the concepts of preventive dentistry |
| 7.2. Specific Objectives | Students must: <ul style="list-style-type: none"> - have the proper skills to perform requested clinical procedures - know how to choose the most effective ways to communicate with patients and to improve their skills for dental examination in order to make a proper diagnosis and educate them according to their needs - know how to design a personalized oral hygiene care plan for each patient |

8. Content:

| 8.1.1. Lecture | Nr.hrs/ topic | Teaching methods | Obs |
|--|------------------|--|-----|
| 1: Mechanical plaque control – toothbrushing | 2 | Interactive exposures of the proposed topics using media and power point presentations | |
| 2: Mechanical plaque control – interdental care | 2 | | |
| 3: Chemical plaque control – antiseptics and antibiotics | 2 | | |
| 4: Chemical plaque control – dentifrices, mouthwashes and others | 2 | | |
| 5: Test | 2 | | |
| 6: Diet, dietary analysis and guidelines for caries prevention (Part I) | 2 | | |
| 7: Diet, dietary analysis and guidelines for caries prevention (Part II) | 2 | | |
| 8: Test retake | 2 | | |
| 9: Fluoridation (Part I) | 2 | | |
| 10: Fluoridation (Part II) | 2 | | |
| 11: Dental sealants | 2 | | |
| 12: Early caries lesions | 2 | | |
| 13: Scaling and root planning | 2 | | |
| 14: The dental hygiene care plan | 2 | | |

| 8.2.1. Laboratory session | Nr.hrs/ topic | Teaching methods | Obs |
|--|------------------|---|-----|
| 1: Plaque disclosure – plaque scores (2) | 3 | Practical sessions (clinical or simulations – hands on), reports, power point presentations, video sessions | |
| 2: Manual toothbrushes and toothbrushing (1) | 3 | | |
| 3: Manual toothbrushes and toothbrushing (2) | 3 | | |
| 4: Electric toothbrushes and toothbrushing | 3 | | |
| 5: Interdental care (dental floss, interdental and single-tuft brush, interdental tip, toothpicks) | 3 | | |
| 6: Dentifrices and mouthrinses | 3 | | |
| 7: Topical fluoride applications (1) | 3 | | |
| 8: Topical fluoride applications (2) | 3 | | |
| 9: Dental sealants | 3 | | |
| 10: Manual scaling | 3 | | |
| 11: Ultrasonic scaling and root planning | 3 | | |
| 12: Recap | 3 | | |
| 13: Colloquium | 3 | | |
| 14: Colloquium retake | 3 | | |

| 8.3. Bibliography for lectures and laboratory/practical sessions |
|---|
| <ol style="list-style-type: none"> 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 Pieren JA, Bowen DM. Darby and Walsh Dental Hygiene. 5th Edition. 2019 Elsevier-Saunders, St. Louis, Missouri 63043 USA 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 Theile CMW, Weinberg MA, Segelnick SL. Clinical Cases in Dental Hygiene, 2019 John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, USA <p>Journals:</p> <ol style="list-style-type: none"> Oral Health and Preventive Dentistry International Journal of Dental Hygiene Community Dentistry and Oral Epidemiology Journal of Public Health Dentistry Community Dental Health |

9. Corroborating the contents of the discipline with the expectations of epistemic community representatives, professional associations and employers in the fields representative for the program:

Discipline content is consistent with that from other university centers (Romanian and international), being permanently improved and updated, in accordance with the principal ways of evolution and development in dentistry. In this way, the members of the discipline are periodically informed about the market requirements and from feedback they have permanently with the students.

10. Evaluation:

| 10.1 Evaluation | | | |
|---|--|---|--|
| Activity type | Evaluation Criteria | Methods of evaluation | % out of final grade |
| Lecture | A. Knowledge for mark 5: Basic elements containing in the proposed topics (lectures); the answers should not contain serious errors. | Exam (editorial) | 60% |
| | B. Additional knowledge for mark 10 In-depth knowledge of the proposed topics (lectures), knowledge of all bibliography; Generally, correct answers to all questions. | Test (editorial) | 30% <i>Passing the tests with a minimum grade of 5 (in one of two attempts) is mandatory</i> |
| Laboratory Sessions | A. Knowledge for mark 5: Basic elements containing in the proposed topics (laboratory sessions); the answers should not contain serious errors. | Practical assessment – periodic seminars | 10% |
| | 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. | Colloquium | Passed/rejected <i>Passing the colloquium (in one of two attempts) is mandatory</i> |
| Minimum performance standards | | | |
| Basic knowledge of preventive dentistry | | | |

Date:
12.09.2024

Chair of Preventive Dentistry Division,
Assoc. Prof. Dr. Cristian Funieru

Date of the approval in
Department Board:

Department director,
Prof. Emeritus Dr. Alexandru Bucur