DISCIPLINE FILE

1. Data about the programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF DENTISTRY
1.3.	DEPARTMENT III
1.4.	DISCIPLINE: ORAL HEALTH AND COMMUNITY DENTISTRY
1.5.	DOMAIN OF STUDY: HEALTH – Sectorally regulated within the European Union
1.6.	STUDY CYCLE: LICENCE
1.7.	STUDY PROGRAME: DENTAL MEDICINE (ENGLISH)

2. Data about discipline

2.1.	Name of the discipline in the educational plan: Oral Health. Community Dentistry				
2.2.	Discipline code: MD05S04				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (MD/OPD/): MD				
2.5.	The holder of the course activities: Professor Ionela Ruxandra Sfeatcu				
2.6.	The holder of the seminar activities: Professor Ionela Ruxandra Sfeatcu, Assistant Professor Dan Gabriel Lambescu, Assistant Professor Mariana Cărămidă, Assistant Professor Loredana Cristina Dumitrașcu				
2.7. Year of study	V	2.8. Semester	IX	2.9. Type of evaluation (E/C)	E

3. Total estimated time (hours/semester of didactic activity and self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	4	From which:	3.2. lecture	2	3.3. seminary/ laboratory	2
3.4. Total hours of educational plan	56	From which:	3.5. lecture	28	3.6. seminary/ laboratory	28
Evaluation (nr. of hours): 2						
II. Self preparation/study						
Time allocation						hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography						56
Additional research in the library, research through the internet						14
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks						10
Specific preparation activities for projects, laboratory work, assignments, and reports						14
Tutoring						-
Other activities						-
3.7. Total individual study hours						94

3.8. Total hours per semester (3.4.+ 3.7.)	**150**
3.9. Number of credits	**5**

4. Preconditions (where applicable)

4.1. of curriculum	Knowledge and skills acquired in the following disciplines: - Research Methodology; - Preventive Dentistry.
4.2. of competences	Students should be familiar with: - the stages and methodology of scientific research; - the indices used in epidemiological surveys; - the sociological instruments used to assess the educational profile; - methods of oral health prevention and health education.

5. Conditions (where applicable)

5.1. to conduct the lecture	Lecture hall with a computer, multimedia projector, internet access, and access to the e-learning platform.
5.2. to conduct the seminar / laboratory	Lecture hall/community setting, materials and equipment specific to community dentistry.

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
Students should demonstrate an understanding of: 1. the influence of the natural and social environment on oral health; 2. clinical assessment tools (e.g., the WHO Oral Health Assessment Form) and epidemiological indices (DMFT, CPITN, etc.) used for community oral health assessment; 3. sociological instruments used to	**Students should be able to:** 1. identify and interpret the social, cultural, and environmental factors that contribute to the maintenance of oral health or to the development of disease; 2. identify the oral health education needs of different population groups; 3. plan and coordinate the implementation of community-based oral health programmes; 4. apply methods for collecting and interpreting epidemiological data in community dentistry, including the development of databases and the statistical analysis of epidemiological indicators; 5. design, implement, and evaluate oral health education and disease prevention programs;	**Students should demonstrate responsibility and autonomy in:** 1. planning, integrating, and organizing interventions aimed at improving the health status of communities; 2. assuming responsibility for implementing community health promotion measures through the use of evidence-based strategic approaches; 3. actively contributing to the development of good practices in community dentistry and to the improvement of public health; 4. critically evaluating their own performance and participating in the review of team performance within multidisciplinary settings; 5. interpreting the outcomes of oral health promotion

establish the oral health profile of the community under study; 4. the concept of treatment needs and the relationship between oral health and quality of life; 5. the stages involved in the design, planning, and implementation of oral health programmes.	6. integrate theoretical knowledge into the development of preventive and therapeutic strategies tailored to target groups, including: providing information and motivation to promote healthy behaviours and encourage the cessation of harmful habits; delivering oral health education to patients and the general population regarding the etiology and prevention of oral and maxillofacial diseases.	programs implemented in selected communities; 6. taking responsibility for implementing community oral health promotion measures according to the identified risk factors, treatment needs, risk group classification, and other relevant determinants; 7. planning, integrating, and organizing interventions to improve oral health in different communities.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	- To acquire the fundamental concepts of scientific methods used to assess oral health and dental treatment needs in communities, with the aim of developing targeted preventive and therapeutic strategies.
7.2. Specific objective	- To design and implement a pilot program for the assessment and research of oral health conditions in the communities under study; - To develop the ability to identify the most effective methods for classifying individuals into risk groups for oral diseases; - To acquire effective communication skills for oral health education; - To develop the ability to evaluate the effectiveness of oral health promotion programmes.

8. Contents

8.1. Lecture	**Teaching methods**	**Observations**
1. Definitions and determinants of oral health. Objectives and recommendations of the World Health Organization (WHO). The relationship between oral health and quality of life.	- Interactive presentation of the course content in accordance with the course syllabus, using multimedia resources and PowerPoint presentations. - Questions addressed to students to encourage interaction and active participation in the learning process.	2 hours
2. Stages in the design and planning of oral health programmes.		2 hours
3. Examples of community oral health programmes in Romania and other European countries.		2 hours
4. Examples of community oral health programmes worldwide.		2 hours
5. Integration of oral health into strategies for the prevention and control of chronic non-communicable diseases.		2 hours

6. Oral health status in Romania, the European Union, and worldwide: dental caries in children, adults, and older adults.		2 hours
7. Oral health status in Romania, the European Union, and worldwide by disease category with impact in community dentistry		2 hours
8. Risk and protective factors for dental caries.		2 hours
9. Caries risk assessment models.		2 hours
10. Methods for periodontal disease risk assessment.		2 hours
11. Clinical indices for the assessment of oral health status and treatment needs.		2 hours
12. Instruments for assessing the relationship between oral health and quality of life.		2 hours
13. Social responsibility for oral health.		2 hours
14. Oral health education methods used to promote changes in community health attitudes and behaviours.		2 hours

Recent bibliography:

1. World Health Organization. WHO guideline on environmentally friendly and less invasive oral health care for preventing and managing dental caries. Geneva: World Health Organization; 2026. https://www.who.int/publications/i/item/9789240116948
2. Tracking progress on the implementation of the Global oral health action plan 2023–2030: baseline report. Geneva: World Health Organization; 2025. https://www.who.int/publications/i/item/9789240106031
3. Assessing national capacity for the prevention and control of non-communicable diseases: report on 2023 global survey. Geneva: World Health Organization; 2025. https://www.who.int/publications/i/item/9789240105997
4. Supporting Member States in reaching informed decision-making on engaging with private sector entities for the prevention and control of noncommunicable diseases: a practical tool. Geneva: World Health Organization;2024. https://www.who.int/publications/i/item/9789240094840
5. Global oral health status report: towards universal health coverage for oral health by 2030. Geneva: World Health Organization; 2022. https://www.who.int/publications/i/item/9789240061484
6. WHA74.5. Oral health. In: Seventy-fourth World Health Assembly, Geneva, 24 May–1 June 2021. Summary and verbatim records. Geneva: World Health Organization; 2021. (WHA74/A74.R5) https://apps.who.int/gb/ebwha/pdf_files/WHA74/A74_R5-en.pdf.
7. Ionescu E. Manual pentru rezidențiat. Stomatologie, vol I. Ed. Carol Davila, București, 2021.
8. Burt and Eklund's Dentistry, dental practice and the community. 7th edition. Elsevier, 2021
9. Global burden of disease 2019 (GBD 2019) results [online database]. Seattle: Institute of Health Metrics and Evaluation (IHME); 2020. https://vizhub.healthdata.org/gbd-results/
10. Bernabe E, Marcenes W, Hernandez CR, Bailey J, Abreu LG et al. Global, regional, and national levels and trends in burden of oral conditions from 1990 to 2017: a systematic analysis for the Global Burden of Disease 2017 study. J Dent Res. 2020;99(4):362–73. https://journals.sagepub.com/doi/10.1177/0022034520908533.

Periodicals (optional):

- Community Dentistry and Oral Epidemiology;
- Community Dental Health;
- Journal of Public Health Dentistry;
- BMC Oral Health;
- Frontiers in Oral Health.

8.2. Laboratory/ practical sessions	**Teaching methods**	**Observations**

1. Stages of scientific research in oral health and community dentistry.	Multimedia presentations.	2 hours
2. Methodology for the assessment of dental and periodontal status in communities (WHO, 2013).	Multimedia presentations, examples of WHO assessment forms.	2 hours
3. Definitions and calculation formulas for the morbidity indices used in oral epidemiology (prevalence and incidence) recommended by the World Health Organization (WHO).	Multimedia presentations and practical examples.	2 hours
4. DMFT and CPITN indices in community dentistry.	Multimedia presentations, examples of calculations using WHO assessment forms.	2 hours
5. The questionnaire as a tool for assessing knowledge, attitudes, and behaviours related to oral health.	Multimedia presentations. Examples.	2 hours
6. Presentation of questionnaires developed bystudents.	Multimedia presentations. Discussions.	2 hours
7. Oral health education in communities through experiential learning.	Multimedia presentations. Examples.	2 hours
8. Presentation of oral health education sessions designed by students for different communities.	Application of oral health education methods tailored to the characteristics of the target population.	2 hours
9. Stages in the development of a scientific research project for assessing oral health status and the level of oral health knowledge and behaviours in a selected community.	Multimedia presentations. Examples.	2 hours
10. Statistical analysis of data and preparation of the scientific report for a research project assessing the level of oral health knowledge, attitudes, and behaviours in the selected community.	Multimedia presentations. Computer-based statistical data analysis and scientific report writing. Examples.	2 hours
11. Public oral health measures in Romania.	Multimedia presentations. Examples.	2 hours
12. Health insurance coverage for dental services.	Multimedia presentations. Examples.	2 hours
13. Caries risk assessment tools – Cariogram. Practical applications.	Multimedia presentations. Examples of completing assessment forms and interpreting the results. Individualized recommendations.	2 hours
14. Presentation of students' scientific research projects for the selected community.	Multimedia presentations.	2 hours

Recent bibliography:

1. World Health Organization. WHO guideline on environmentally friendly and less invasive oral health care for preventing and managing dental caries. Geneva: World Health Organization; 2026. https://www.who.int/publications/i/item/9789240116948

2. Supporting Member States in reaching informed decision-making on engaging with private sector entities for the prevention and control of noncommunicable diseases: a practical tool. Geneva: World Health Organization;2024. https://www.who.int/publications/i/item/9789240094840

3. Global oral health status report: towards universal health coverage for oral health by 2030. 2022.
4. Featherstone JDB, Crystal YO, Alston P, Chaffee BW, Doméjean S, Rechmann P, Zhan L, Ramos-Gomez F. A Comparison of Four Caries Risk Assessment Methods. Frontiers in Oral Health. 2021;2:656558. doi: 10.3389/froh.2021.656558.
5. Dumitrache MA, Ranga RC, Sfeatcu IR. Ghid de educație pentru sănătatea orală adresat adolescenților. Editura Curtea veche, București, 2017.
6. Dumitrache MA, Sfeatcu IR, Dumitrașcu LC, Cărămidă M, Lambescu DG. Principii și metode aplicate în cercetarea clinică din sănătatea orală și stomatologia comunitară. Ghid practic pentru studenți. Editura Curtea Veche, București, 2016.

9. Evaluation

Activity type	**9.1. Evaluation criteria**	**9.2. Evaluation methods**	**9.3. Percentage in the final grade**
9.4. Lecture	- Attendance in accordance with the Regulations governing students' academic activity. - Active participation in interactive learning activities. - Accuracy of theoretical knowledge and appropriate use of professional terminology.	Written examination with single and multiple-answer questions.	70%
9.5. Seminary/ practical activity	- Appropriate use of clinical and sociological assessment tools for evaluating oral health status and the level of oral health knowledge, attitudes, and behaviours. - Design of an oral health education programme for the selected community and analysis of its outcomes.	- Development and implementation of questionnaires and oral health education sessions in the communities. - Presentation of the scientific research project for the assessment of oral health status and/or the level of oral health knowledge, attitudes, and behaviours.	10% 20%
9.5.1. Individual project (if applicable)	-	-	-
9.6. Minimum performance standard			
Basic knowledge of the stages and methods used to assess oral health status in communities.			

Date of completion: 17.07.2026 **Signature of the course holder** **Signature of the laboratory holder.**

Date of approval by the Department Council: 06.11.2026 **Signature of the Department Director Professor Ionescu Ecaterina, PhD**