



DISCIPLINE SHEET

1. Study programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST				
1.2.	FACULTY OF DENTISTRY				
1.3.	DEPARTMENT: 2nd DEPARTMENT				
1.4.	DISCIPLINE: Scientific research methodology-ergonomics				
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

2.1.	Discipline name according to the study curriculum: METHODOLOGY OF DISSERTATION THESIS PREPARATION AND PRESENTATION				
2.2.	Discipline code: MD03OP19EN				
2.3.	Discipline type (FD/SD/CD): -				
2.4.	Discipline optionality (COD/ED/FAD): ED				
2.5.	Lectures tenure: Cristina Teodora Preoteasa, Assoc Prof				
2.6.	Practical classes / seminar tenure: Anca Axante, Teaching assistant; Cristina Pirvu, Lecturer; Cristina Teodora Preoteasa, Assoc Prof				
2.7. Year of study	III	2.8. Semester	VI	2.9. Evaluation (E/C/V)	C

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

I. University training						
3.1. Number of hours per week	2	from which:	3.2. lecture	1	3.3. practical class/ seminar	1
3.4. Total hours in the study curriculum	28	from which:	3.5. lecture	14	3.6. practical class/ seminar	14
II. Preparation/ individual study						
Time distribution						hours
Study of lecture materials, textbooks, books, study of the minimum recommended bibliography						10
Additional documentation activity in the library, on online platforms						8
Specific preparation activities for projects, practical classes, preparation of assignments, reports						8
Preparation for presentations or evaluations, preparation for the final examination						2
Tutoring activity						2
Other activities						2
3.7. Total hours of individual study						32
3.8. Total hours per semester (3.4.+3.7.)						60
3.9. Number of credits						2

4. Prerequisites (where appropriate)

4.1. curriculum	Scientific research methodology Medical informatics and biostatistics
4.2. proficiencies	Knowledge on critical appraisal of articles reporting original researches, and on the usage of online databases to find scientific evidence

5. Conditions (where appropriate)

5.1. for lecture activity	Minimum 50 seats conference hall, laptop, video projector, internet and scientific database access
5.2. for practical class/ seminar activity	Seminar classroom with desks and chairs, white board, laptop, video projector, internet connection, scientific database access, statistical software. Dental office for practical applications.

6. Learning outcomes*

Knowledge	Skills	Responsibility and autonomy
<p>C1. The student/graduate knows the content and reporting style of the dissertation thesis in the medical and dental fields</p> <p>C2. The student/graduate knows the main sections of a dissertation thesis and their informational content.</p> <p>C3. The student/graduate identifies, describes, explains and analyzes ways of producing, critically evaluating and disseminating scientific data of researches in the context of carrying out dissertation work.</p>	<p>A1. The student/graduate knows how to use the scientific literature for a literature review on the topic of the dissertation thesis.</p> <p>A2. The student/graduate develops logical and coherent arguments to define the coordinates of the dissertation research, taking into account aspects related to feasibility and constraints (ethics, material and time resources, etc.)</p> <p>A3. The student/graduate establishes the general coordinates of the dissertation, e.g., title, research plan and protocol</p> <p>A4. The student/graduate appropriately uses medical terminology and scientific style of writing in the completion of the dissertation.</p> <p>A5. The student/graduate correctly interprets, manages and reports information technology knowledge for documenting, analyzing and communicating information in the context of the completion of the dissertation thesis.</p>	<p>RA1. The student/graduate has the ability to critically evaluate his/her own scientific approach and identify possibilities for its optimization</p> <p>RA2. The student/graduate has the ability to identify and use information as the basis for lifelong learning (information culture)</p> <p>RA3. The student/graduate shows a desire to be involved in scientific activities</p> <p>RA4. The student/graduate efficiently integrates information sources and communication resources and assisted professional training (internet portals, specialized software applications, databases, online courses, etc.).</p>

7. Discipline objectives (correlated with learning outcomes)

7.1. General objective	Understanding the preparation and presentation method of the dissertation thesis.
7.2. Specific objectives	<p>Knowing how to formulate the title and the research plan for a dissertation thesis.</p> <p>Mastering the necessary skills and competences for finding scientific evidence for the dissertation thesis.</p> <p>Knowing how to correctly write a literature review, while respecting copyright regulations.</p> <p>Knowing how to conduct and communicate research findings in a dissertation thesis</p>

8. Contents

8.1. Lecture	Teaching methods	Observations
1. General considerations regarding the dissertation thesis. Selecting the scientific coordinator and the theme. Formulation of the title and dissertation thesis plan. Application procedure for the registration of the dissertation thesis.	Lecture, interactive presentation, power point video presentation	
2. Dissertation thesis structure and layout – general presentation		
3. General facts regarding writing of the dissertation thesis - scientific writing style and medical terminology.		
4. Writing and presentation of literature review on the topic of the dissertation thesis - identifying, organizing and presenting the scientific information; avoiding plagiarism in academic writing.		
5. Preparation and presentation of the original research carried out for the dissertation thesis – establishing the research question and protocol, considering aspects as feasibility and validity; general features and particularities of conducting and reporting different types of researches e.g., systematic review, <i>in vitro</i> or <i>in vivo</i> researches.		
6. Using communication and information technology for the dissertation thesis accomplishment e.g., formatting the thesis document as layout, table of contents, inserting citations; creating the database for the collected data; doing statistical analysis.		
7. Submission of dissertation thesis, its presentation and evaluation.		
Recent bibliography:		
<ol style="list-style-type: none"> 1. Lectures, version for 2025-2026 academic year - available on discipline's domain of Google Classroom 2. Preoteasa CT, Buzea MC, Imre M, Ranga RC, Preoteasa E. Reporting ethics approval and informed consent of <i>in vivo</i> researches in dental journals. Rom J Leg Med 2018; 26(3): 323-328. 		

3. Peacock JL, Peacock PJ (2013) Oxford Handbook of Medical Statistics. Oxford:Oxford University Press
4. Fonnes S, Rosenberg J. A practical guide for writing a PhD thesis. Ugeskr Laeger. 2024 May 20;186(21):V12230804. Danish. doi: 10.61409/V12230804. PMID: 38847313.

8.2. Practical classes/ seminar	Teaching methods	Observations
1. General presentation and exemplification of dissertation thesis		
2. Dissertation thesis title and plan formulation exercises		
3. Documentation exercises using scientific databases, for the dissertation thesis. Academic writing exercises, using the scientific writing style and avoiding plagiarism.	Practical and theoretical applications using conventional and digital frameworks, working individually or in micro groups, case studies, debates	
4. Qualitative research writing and presentation exercises, in accordance with dissertation thesis requirements.		
5. Quantitative research writing and presentation exercises, in accordance with dissertation thesis requirements.		
6. Software exercises used for dissertation thesis accomplishment e.g., for writing, presentation, inserting citations, data analysis and presentation		
7. Oral presentation exercises of the dissertation thesis. Critical appraisal of finalized dissertation thesis.		

Recent bibliography:

1. Preoteasa CT, Buzea MC, Imre M, Ranga RC, Preoteasa E. Reporting ethics approval and informed consent of in vivo researches in dental journals. Rom J Leg Med 2018; 26(3): 323-328.
2. Peacock JL, Peacock PJ (2013) Oxford Handbook of Medical Statistics. Oxford:Oxford University Press
3. Fonnes S, Rosenberg J. A practical guide for writing a PhD thesis. Ugeskr Laeger. 2024 May 20;186(21):V12230804. Danish. doi: 10.61409/V12230804. PMID: 38847313.

9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
9.4. Lecture	Knowledge correctness, the ability to correlate and summarize information.	Oral examination	70%
9.5. Practical classes/ seminar	The ability to apply theory in practical skills (Assessment of a proposal for the title, plan and research	Oral examination	30%

	protocol developed for a dissertation thesis)		
9.5.1. Individual project (if any)			
Minimum performance standard			
Grade for each evaluation- 5 minimum			
Knowledge of the basic elements regarding the preparation and presentation of the dissertation thesis in the medical and dental field (sections of a dissertation thesis; formulation of the title and research protocol for the dissertation thesis)			