



## DISCIPLINE SHEET

### 1. Study programme

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

### 2. Discipline

2.1.	<b>Discipline name according to the study curriculum: LEGAL MEDICINE</b>					
2.2.	<b>Discipline code: MD04S14EN</b>					
2.3.	<b>Discipline type (FD/SD/CD): SD</b>					
2.4.	<b>Discipline optionality (COD/ED/FAD): COD</b>					
2.5.	<b>Lectures tenure: HOSTIUC SORIN, ISAILĂ OANA-MARIA</b>					
2.6.	<b>Practical classes / seminar tenure: HOSTIUC SORIN, ISAILĂ OANA-MARIA, CIOBANU OANA-MIHAELA</b>					
2.7. Year of study	IV	2.8. Semester	VIII	2.9. Evaluation (E/C/V)		E

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

<b>I. University training</b>						
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:	3.2. lecture	14	3.3. practical class/ seminar	14
<b>II. Preparation/ individual study</b>						
<b>Time distribution</b>						<b>hours</b>
Study of lecture materials, textbooks, books, study of the minimum recommended bibliography						30
Additional documentation activity in the library, on online platforms						20
Specific preparation activities for projects, practical classes, preparation of assignments, reports						5
Preparation for presentations or evaluations, preparation for the final examination						5
Tutoring activity						1
Other activities						1
3.7. Total hours of individual study						62
3.8. Total hours per semester (3.4.+3.7.)						90
3.9. Number of credits						2

#### 4. Prerequisites (where appropriate)

<b>4.1. curriculum</b>	
<b>4.2. proficiencies</b>	- capacity to assess critically the given information - synthesis

#### 5. Conditions (where appropriate)

<b>5.1. for lecture activity</b>	<ul style="list-style-type: none"><li>- amphitheater</li><li>- overhead projector, computer with PowerPoint, software licenses (office program, bibliographic reference management program)</li><li>- Internet access and computer (for online activities), Linux server, web domain (medleg.ro)</li><li>- cell phones will be switched off during the courses, phone calls will not be tolerated during the course, nor students leaving the classroom.</li><li>- students' tardiness to class will not be tolerated as it is disruptive to the educational process;</li><li>- the date of the exam is agreed between the students and the teacher</li><li>- attendance is compulsory, according to the students' regulations approved by UMF "Carol Davila"; absences may be motivated, for well-determined reasons, by the teacher in charge of the course or by the faculty management, on the basis of supporting documents and an individual request registered at the secretariat, submitted by the student within two weeks from the resumption of the course. Failure to make up the absences incurred automatically entails the student's non-admission to the examination</li></ul>
<b>5.2. for practical class/ seminar activity</b>	<ul style="list-style-type: none"><li>- amphitheater</li><li>- overhead projector, computer with PowerPoint, software licenses (office program, bibliographic reference management program)</li><li>- Internet access and computer (for online activities), Linux server, web domain (medleg.ro)</li><li>- cell phones will be switched off during the courses, phone calls will not be tolerated during the course, nor students leaving the classroom.</li><li>- students' tardiness to class will not be tolerated as it is disruptive to the educational process;</li><li>- the date of the exam is agreed between the students and the teacher</li><li>- attendance at practical work complies with the Student Regulations.</li></ul> <p>Absences from practical work/seminars/clinical sessions may be recovered as follows: (1) up to 10% absences (whole number before the comma, so rounded down), no need to be recovered, if properly justified. No fees are charged. (2) between 11-25% absences (whole number before the decimal point, i.e. rounded down), all absences must be recovered, with the approval of the Head of Discipline, during the</p>

	semester of preparation or the academic year, as the case may be; (3) more than 25% absences (whole number before the decimal point, i.e. rounded down), it is necessary to recover the entire practical work, with the approval of the Dean, after the preapproval of the Head of Discipline, during the course of the year, only if possible.
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## 6. Learning outcomes\*

Knowledge	Skills	Responsibility and autonomy
The student/graduate recognizes, describes, and evaluates the particularities of medico-legal diagnosis, specific methods and techniques; explains, interprets, and correlates the principles of legal medicine with the juridical, ethical, and technical aspects of medico-legal investigations, with particularities for stomatology/dental medicine.	The student/graduate applies, adapts, and synthesizes specific methods and techniques for correctly performing medico-legal investigations and drafting relevant reports.	The student/graduate develops, coordinates, and integrates medico-legal processes, respecting professional standards and collaborating with legal authorities and interdisciplinary teams.

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

<b>7.1. General objective</b>	The development of appropriate medical conduct, with minimization of the risks of generating, during routine medical activity, situations with medico-legal or legal consequences.
<b>7.2. Specific objectives</b>	<ul style="list-style-type: none"> <li>• Recognizing the importance of forensic medicine in dental practice;</li> <li>• Acquiring the correct method for evaluating traumatic injuries in dental practice;</li> <li>• Knowing certain odontostomatological identification methods for determining age, height, race, and sex;</li> <li>• Knowing laboratory procedures useful for medico-legal identification, with emphasis on those procedures that assess the oro-maxillo-facial area;</li> <li>• Knowing how to analyze bite marks in dental and medico-legal practice, including identifying the assailant by correlating the bite pattern with dental morphology.</li> </ul>

## 8. Contents

8.1. Lecture	Teaching methods	Observations
Introduction to forensic medicine. Thanatology	Lecture course. Interactive presentation of the material according to the analytical syllabus, using multimedia tools, PowerPoint presentations, educational films, specific software, both offline and online, using specific platforms (Moodle – medleg.ro).	
Elementary traumatic injuries. General concepts		
Traumatic injuries in the oro-maxillo-facial (OMF) area. Domestic violence, child abuse		
Medico-legal anthropology. Odontostomatological identification		
Bite mark analysis. Cheiloscopy. Rugoscopy		
Medico-legal odontostomatological laboratory		
Medico-legal evaluation of deficits in the provision of medical care		

### Recent bibliography:

1. Updated lecture notes for the academic year 2024-2025, available on the website medleg.ro;
2. Updated practical work notes for the academic year 2024-2025, available on the website medleg.ro.
3. Hostiuc S. et al. *Tratat de medicină legală odontostomatologică*. Editura ALL, 2020 (translated snippets)
4. Madea, B. *Handbook of Forensic Medicine*, 3 Volume Set, 2<sup>nd</sup> Edition, Wiley, 2022
5. Senn, DR, Weems, RA. *Manual of Forensic Odontology*. 5<sup>th</sup> Edition, CRC Press, 2021

8.2. Practical classes/ seminar	Teaching methods	Observations
Thanatology. Medico-legal acts. Causality	Verification of students' theoretical and practical knowledge on topics of interest. Deepening of the student's theoretical and practical knowledge.	
Description of elementary and complex traumatic injuries		
Medico-legal autopsy. Cadaveric signs		
Medico-legal odontostomatology 1. Statistical evaluation methods. Anthroscopy, anthropometry		
Medico-legal odontostomatology 2. Determining age, sex, height from skeletal and dental remains		
Medico-legal odontostomatology 3. Bite mark analysis. Evaluation of lip prints and palatal rugae		

Thanatology. Medico-legal acts. Causality		
<b>Recent bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Updated lecture notes for the academic year 2024-2025, available on the website medleg.ro;</li> <li>2. Updated practical work notes for the academic year 2024-2025, available on the website medleg.ro.</li> <li>3. Hostiuc S. et al. Tratat de medicină legală odontostomatologică. Editura ALL, 2020 (translated snippets)</li> <li>4. Madea, B. Handbook of Forensic Medicine, 3 Volume Set, 2<sup>nd</sup> Edition, Wiley, 2022</li> <li>5. Senn, DR, Weems, RA. Manual of Forensic Odontology. 5<sup>th</sup> Edition, CRC Press, 2021</li> </ol>		

## 9. Assessment

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
<b>9.4. Lecture</b>	<p>Requirements for grade 5:</p> <ul style="list-style-type: none"> <li>• Knowledge of the theoretical concepts taught in the course</li> </ul> <p>Requirements for grade 10:</p> <ul style="list-style-type: none"> <li>• Ability to integratively analyze theoretical information for application in dental practice</li> </ul>	<p>Sessions I and II – multiple-choice or short essay exam</p> <p>Sessions III and IV – oral exam, which will include both course material and practical work content</p> <p>Optionally, students can earn bonus points for online learning activities on the website elearnmed.ro (tests, questionnaires, case analyses) or by participating in the discipline's research activities. Each activity will have an assigned number of points, which will be added to the final grade. Only those who obtain a minimum grade of 5 in the theoretical evaluation will be considered as having passed.</p>	80%
<b>9.5. Practical classes/seminar</b>	Requirements for grade 5:	Written exam, with 3 questions, of which at least 2 will be case	20

	<ul style="list-style-type: none"> <li>• Correct description of elementary traumatic injuries</li> <li>• Determination of anthropometric and anthroscopic parameters on skeletal/dental specimens</li> </ul> <p>Requirements for grade 10:</p> <ul style="list-style-type: none"> <li>• Correct analysis of medico-legal causality</li> <li>• Correct description of complex traumatic injuries</li> <li>• Understanding of statistical evaluation methods in medico-legal anthropometric odontostomatology</li> </ul>	<p>studies similar to those discussed in practical sessions.</p> <p>Only those who obtain a minimum passing grade of 5 will be considered as having passed.</p>	
<b>9.5.1. Individual project (if any)</b>			
<b>Minimum performance standard</b>			