



## Forensic medicine

<b>1. IMPRINT</b>	
<b>Academic Year</b>	2023/2024
<b>Department</b>	Faculty of Medicine and Dentistry
<b>Field of study</b>	English Dentistry Division
<b>Main scientific discipline</b>	Medical sciences
<b>Study Profile</b>	General academic
<b>Level of studies</b>	Uniform MSc
<b>Form of studies</b>	Full-time program
<b>Type of module / course</b>	Obligatory
<b>Form of verification of learning outcomes</b>	Completion
<b>Educational Unit / Educational Units</b>	Chair and Department of Forensic Medicine, Oczki 1 St., Warsaw 02-007, Poland phone 22 628-89-75 fax 22 628-89-75 ext. 33 <a href="http://www.medycynasadowa.wum.edu.pl">www.medycynasadowa.wum.edu.pl</a>

<b>Head of Educational Unit / Heads of Educational Units</b>	prof. Paweł Krajewski, MD, PhD
<b>Course coordinator</b> (title, First Name, Last Name, contact)	prof. Paweł Krajewski, MD., PhD; pawel.krajewski@wum.edu.pl
<b>Person responsible for syllabus</b> (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Magdalena Kwiatkowska MD; magdalena.kwiatkowska@wum.edu.pl
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## 2. BASIC INFORMATION

<b>Year and semester of studies</b>	IV year, VIII semester	<b>Number of ECTS credits</b>	1
<b>FORMS OF CLASSES</b>		<b>Number of hours</b>	<b>ECTS credits calculation</b>
<b>Contacting hours with academic teacher</b>			
Lecture (L)			
Seminar (S)		9	0,36
Practical classes (C)		6	0,24
e-learning (e-L)			
<b>Unassisted student's work</b>			
Student's preparation for a seminar			
Student's preparation for a class			
Preparation for classes and completions (exam)		10	0,4

## 3. COURSE OBJECTIVES

O1	Adaptation of medical and dental knowledge for the purposes of law
O2	The use of a dental examination for medico-legal assessment of cranio-facial injuries

O3	Human identification based on dentition
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**4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING** (concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)

<p><b>Code and number of effect of learning in accordance with standards of learning</b>  <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i></p>	<p><b>Effects in time</b></p>
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**Knowledge – Graduate\* knows and understands:**

G.W33.	principles of handling corpses
G.W35.	issues concerning serology and forensic genetics
G.W36.	principles of forensic toxicology
G. W37.	principles of issuance of expert opinions in criminal cases

**Skills– Graduate\* is able to:**

G.U28.	assess post-mortem changes
G.U29.	conduct identification of corpses based on dental examination
G.U30.	assess the outcomes of facial and skull injuries and qualify them in criminal and civil proceedings

\* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

**5. ADDITIONAL EFFECTS OF LEARNING** (non-compulsory)

<p><b>Number of effect of learning</b></p>	<p><b>Effects of learning i time</b></p>
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**Knowledge – Graduate knows and understands:**

K1	health hazards occur at the dentist's workplace
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**Skills– Graduate is able to:**

S1	to deal with the threat of natural disasters
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**Social Competencies – Graduate is ready for:**

SC1	accepting responsibility for decisions made in the course of professional activity, including in terms of the safety of oneself and other people
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<b>6. CLASSES</b>		
Form of class	Class contents	Effects of Learning
Seminars	<p>S1- Seminar 1: Medico-legal thanatology; Educational contents: post-mortem changes, procedures applied to bodies found at the crime scene, human identification based on dental data</p> <p>S2-Seminar 2: The basics of forensic toxicology and forensic genetics; Educational contents: indications for forensic toxicology evaluation, methods of tissue/sample collection, types of samples used for toxicology and DNA testing, research methods in forensic laboratories and analysis of the results</p> <p>S3-Seminar 3: Head and cranio-facial injuries, and their forensic implications; Educational contents: how to recognize cranio-facial injuries in cadavers, dental malpractice</p>	<p>G.W33., G.U28., G.U29.</p> <p>G.W35., G.W36.,</p> <p>G.W37,G.U30.</p>
Practical classes	<p>C1-Practical Class 1- Medico-legal examination (autopsy) of the dead - Educational contents: dental examination, documentation of injuries, recognizing of early and late post-mortem changes</p> <p>C2-Practical Class 2 - Autopsy of unidentified corpse /or case of traumatic death - Educational contents: dental record comparison, assessment of external and/or internal head and cranio-facial injuries effects</p>	<p>G.U28., G.U29.</p> <p>G.U28., G.U29.</p>

<b>7. LITERATURE</b>
<b>Obligatory</b>
1. Simpson's Forensic Medicine. R. Shephard. Arnold. 2003
<b>Supplementary</b>
1. Encyclopedia of Forensic Sciences. Siegel J.A., Saukko P.J. Academic Press. 2013
2. Forensic Analysis of the Skull. Iscan M.Y, Helmer., R.P. Wiley-Liss. 1993

<b>8. VERIFYING THE EFFECT OF LEARNING</b>		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion

<p>G.W33., G.W35., G.W36., G.W37., G.U28., G.U29., G.U30.</p>	<p>Continuous assessment in the classroom – on seminars, and practical classes</p>	<p>Active participation in the class, 100% attendance (a maximum one day absence during the course could be accepted, however absence on the seminar must be covered by writing an essay covering the topic of a seminar, and absence on autopsy (practical class) – by assisting in additional autopsy after regular teaching hours</p> <p>Assessment: 2.0 (failed) : More than one absence during classes, no active participation in seminar classes or classes, lack of basic knowledge in the field of thanatology, opinions and toxicological and genetic diagnostics in forensic medicine</p> <p>3.0 (satisf.) : The condition of completing the course is attendance at all classes, participation in exercises and seminars and demonstrating skills in the medical and forensic issues covered by the curriculum at the basic level</p> <p>3.5 (more than satisf.): The condition for obtaining the grade is attendance at all classes, participation in exercises and seminars, and demonstrating skills in medical and forensic issues covered by the curriculum at a level above elementary</p> <p>4.0 (good): Active participation in exercises and seminars and demonstrating the skills of practical application of dental knowledge in forensic and medical opinions</p> <p>4.5 (more than good): Active participation in exercises and seminars as well as skills in the practical application of dental knowledge in forensic medical opinions in high level</p> <p>5.0 (very good): Active participation in exercises and seminars and demonstrating the skills of practical application of dental knowledge in forensic and medical opinion in very high level</p>
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**9. ADDITIONAL INFORMATION** *(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)*

1. All classes are held in Forensic Medicine Department facility at Oczki 1 St., Warsaw.
2. White coat and protective glasses are required for practical classes
3. Please come to classes on time. Late over 15 minutes. is treated as an absence.
4. The use of mobile phones or other recording devices during forensic class is strictly prohibited. If the course is not passed, the credit may be obtain in the next academic year.
5. A student can miss maximum one day of the course, however absence on the seminar must be covered by writing an essay covering the topic of a seminar, and absence on autopsy (practical class) – by assisting in additional autopsy after regular teaching hours. Students can get credit only after completing all Department's requirements. If student's absences exceed limitations listed above, he/she is required to take a complete course with another group.

*Appendix No 1 for Regulation No 101/2023 of MUW's Rector dated 28.05.2023r.*  
Appendix No. 2 to the Procedure for developing and periodically reviewing educational programs  
constituting an attachment to the order No. 91/2014 of the Rector of the Medical University of Warsaw of December 22, 2020.  
died by order No. 42/2020 of the Rector of the Medical University of Warsaw of March 5, 2020

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**ATTENTION**

The final 10 minutes of the last classes in a block/semester/year should be devoted to completion by students  
Surveys of Assessment of Classes and Academic Teachers