

# Pomorski Uniwersytet Medyczny w Szczecinie

## COURSE SYLABUS

### General information

Course title: A DOCTOR CAN ALSO BE LIKE SHERLOCK HOLMES	
Type of course	elective
Name of the Faculty of PUM	Faculty of Medicine and Dentistry
Field of study	Medicine
Specialization	-
Level of study	long-term studies
Mode of study	Full-time
Year of study /semester	Year 2, semester I
Number of allocated ECTS credits	1
Forms of teaching (number of hours)	I semester: W-0, S-0, Ćw-20
Ways of verifying and assessing learning outcomes <sup>1</sup>	<input type="checkbox"/> graded credit: <div><input checked="" type="checkbox"/>descriptive</div> <div><input type="checkbox"/>test</div> <div><input checked="" type="checkbox"/>practical</div> <div><input type="checkbox"/>oral</div> <div><input type="checkbox"/>credit without grade</div> <div><input type="checkbox"/>final exam: <div><input checked="" type="checkbox"/>descriptive</div><div><input checked="" type="checkbox"/>test</div></div>

<sup>1</sup> mark as appropriate, changing ☐ to ☒

	<input type="checkbox"/> practical  <input type="checkbox"/> oral
Head of Unit	Dr hab. Andrzej Ossowski
Teaching assistant professor or person responsible for the course	Dr hab. Andrzej Ossowski  Dr hab. Grażyna Zielińska  Dr hab. Jarosław Piątek  mgr Maria Szargut  mgr Sandra Cytacka  mgr Joanna Arciszewska  mgr Joanna Drath
Name and contact details of unit	Department of Forensic Medicine  70-111 Szczecin, al. Powstańców Wlkp. 72  tel. (091) 4661566, fax 4661568
Unit's website	<a href="http://zms.pum.edu.pl/">http://zms.pum.edu.pl/</a>
Language of instruction	Polish/

#### Detailed information

Course objectives		Upon completion of the module, the student should possess elementary knowledge of forensic genetics and elements of biological forensics.
Prerequisites for	Knowledge	<i>A student has competence in biological sciences and medicine.</i>
	Skills	<i>Basic knowledge of forensic genetics and forensic science.</i>
	Social competences	<i>A student is systematic, responsible for undertaken tasks, and has the ability to work in a team</i>

LEARNING OUTCOMES			
Number of learning outcome	A student who has completed the COURSE knows/can:	SYMBOL (reference to) learning outcomes for the field of study	Means of verifying the effects of learning outcomes*
W01	He/she knows the basic concepts of genetics	K_C.W1	K - colloquium PS - assessment of ability to work independently
W02	He/she describes the normal human karyotype and the different types of sex determination	K_C.W3	
W03	He/she knows the principles of inheritance of multiple traits, inheritance of quantitative traits, independent inheritance of traits and inheritance of non-nuclear genetic information	K_C.W5	
W04	He/she knows the rules of working in a group	K_D.W15	
W05	He/she knows the principles of collecting material for toxicological and haemogenetic tests	K_G.W19	
W06	He/she knows how to operate an optical microscope, including use of immersion	K_A.U1	
W07	Expert at the scene.  (Theoretical and practical knowledge of crime scene examination and preservation and analysis of physical evidence). Practical knowledge of law enforcement crime scene and laboratory tests.	no	
W08	Personal identification. Dactyloscopic research, anthropological research, odontological research, genetic research. Analysis of surveillance recordings for identification purposes.	no	

W09	Handling the identification of victims of mass disasters. DVI procedures . Presentation of examples of mass events in Poland and in the world.	no	
W10	Practical knowledge of hair and fibre analysis. Species differentiation of hair.	no	
W11	Field research, documentation of skeletal remains. Exhumation of victims of crimes of totalitarian systems. Georadar and metal detector surveys. Aerial photography.	no	

Table of learning outcomes in relation to the form of classes								
Number of learning outcome	Learning outcomes	Form of the classes						
		Lecture	Seminar	Practical classes	Clinical practical classes	Simulations	E-learning	Other forms
W01	K_C.W1			X				
W02	K_C.W3			X				
W03	K_C.W5			X				
W04	K_D.W15			X				
W05	K_G.W19			X				
W06	K_A.U1			X				
W07	-			X				
W08	-			X				
W09	-			X				
W10	-			X				
W11	-			X				

TABLE OF CURRICULUM CONTENT			
curriculum content	Curriculum content	Number of hours	Reference to the learning outcomes for the COURSE
Winter semester			
Practical classes			
TK01	From crime scene to laboratory	3	W01, W03

TK02	Forensic science of the future	3	W02
TK03	Searching for human remains, radar in forensic science	3	W09, W11
TK04	Forensic anthropology	4	W08
TK05	Bloody traces, preservation of biological traces at crime scenes	4	W01, W04, W05, W07
TK06	Micro trace research in forensic science	3	W06, W10

#### Recommended literature:

Compulsory and supplementary literature

1. [Brunon Hołyst](#) Kryminalistyka [LexisNexis](#) wyd,12
2. V. J. Di Maio, D. Di Maio Medycyna sądowa 2003
3. Wojciech Branicki, Tomasz Kupiec, Paulina Woźniak-Nowak Badania DNA dla celów sądowych 2008
4. John M. Butler Fundamentals of Forensic DNA Typing 2009
5. Popielski B., Kobiela J.: Medycyna sądowa.
6. Zielińska E.: Odpowiedzialność zawodowa lekarza i jej stosunek do odpowiedzialności karnej.
7. Law for doctors - a collection of current legislation with an index.
8. DiMaio V.J., DiMaio D.: Medycyna sądowa.
9. Jakliński A., Jaegermann K., Marek Z., Tomaszewska Z., Turowska B.: Medycyna sądowa.
10. Raszeja S., Nasiłowski W., Markiewicz J.: Medycyna sądowa.
11. Marcinkowski T.: Medycyna sądowa dla prawników.

#### Student workload

Form of student workload (course attendance, student's involvement, report preparation, etc.)	Student workload [h]
	In the teacher's assessment (opinion)
Contact hours with the teacher	20
Preparation for practical classes/seminar	2
Reading of designated literature	5

Writing a lab/practical classes report/preparing a project/reference paper, etc.	3
Preparation for the test/colloquium	
Preparation for the examination	4
Other .....	
Total student workload	34
ECTS credits	1
<b>Notes</b>	

\*Example ways to verify learning outcomes:

EP - written exam

EU - oral test

ET - test exam

EPR - practical test

K - colloquium

R - paper

S - testing of practical skills

RZČ - report on practical classes with discussion of results

O - assessment of student's involvement and attitude

SL - Laboratory report

SP - case study

PS - assessment of ability to work independently

W - a short test before the beginning of class

PM - multimedia presentation

and other