



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: The Doctor can also be like Sherlock Holmes	
Module type	Facultative
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medicine
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	<i>Year II, semester III and IV</i>
ECTS credits (incl. semester breakdown)	1
Type/s of training	Practical classes
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input checked="" type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <input type="checkbox"/> final examination <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral
Head of the Department/ Clinic, Unit	dr hab. n. med. prof. PUM Andrzej Ossowski
Tutor responsible for the module	dr Joanna Dowejko joanna.dowejko@pum.edu.pl 91 466-15-66
Department's/ Clinic's/ Unit's website	<i>Department of Forensic Genetics,</i> http://zms.pum.edu.pl/
Language	English

* replace into where applicable

Detailed information

Module objectives		<i>After completing the module, the student should acquire elementary knowledge of forensic genetics and elements of biological forensics.</i>
Prerequisite /essential requirements	Knowledge	Competences at the level of biological sciences and medicine. Basic knowledge of forensic genetics and forensics.
	Skills	
	Competences	Regularity, responsibility for undertaken tasks, ability to work in a group

Description of the learning outcomes for the subject /module			
No. of learning outcome	Student, who has passed the (subject) knows /is able to /can:	SYMBOL (referring the standards)	Method of verification of learning outcomes*
W01	basic concepts of genetics	K_C.W1	S, O,PM
W02	normal human karyotype and different types of determining sex	K_C.W3	
W03	principles of inheritance of a different number of traits, inheritance of quantitative traits, independent inheritance of traits and inheritance of non-nuclear genetic information,	K_C.W5	
W04	Principles of material sampling for hemogenetic and toxicological examination	K_G.W18	
W05	operating an optical microscope, including the use of immersion	K_A.U1	
W06	Expert at the crime scene. (theoretical and practical knowledge in the field of visual inspection of the scene of the incident and securing and analyzing material evidence). Practical knowledge of tests performed by law enforcement agencies at the crime scene and in the laboratory.	none	
W07	Personal identification. Dactyloscopic examinations, anthropological examinations, odontological examinations, genetic examinations. Analysis of monitoring records for identification purposes.	none	
W08	Procedure in the case of identification of victims of mass disasters. DVI procedures. Presentation of examples of mass events in Poland and in the world.	none	
W09	Practical knowledge of hair and fiber analysis. Hair species differentiation.	none	
W10	Field studies, documentation of skeletal remains. Exhumation of the victims of the crimes of totalitarian systems	none	

Table presenting LEARNING OUTCOMES in relation to the form of classes							
No. of learning outcome	Learning outcomes	Type of training					
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning
W01	K_C.W1			X			
W02	K_C.W3			X			
W03	K_C.W5			X			
W04	K_G.W19			X			
W05	K_A.U1			X			
W06	-			X			
W07	-			X			
W08	-			X			
W09	-			X			
W10	-			X			

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Practical classes			
TK01	Forensic Anthropology	2	W07, W10
TK02	Facial reconstruction	3	W01, W02, W03
TK03	Hair Analysis in forensic science	2	W04, W05, W09
TK04	What happened at the garden plot in the Rabiaz	3	W06
Summer semester			
Practical classes			
TK05	Blood Pattern Analysis	5	W07, W10
TK06	Animals in forensic fields	5	W06

Booklist
Obligatory literature:
1. John M. Butler: Advanced Topics in Forensic DNA Typing: Interpretation 2010
2. John M. Butler: Fundamentals of Forensic DNA Typing 2009
3. Richard Shepherd: Simpson's Forensic Medicine 2003
4. Burkhard Madea: Handbook of Forensic Medicine 2014
Supplementary literature:
1. Robert B. Pickering, David Bachman, The Use of Forensic Anthropology 2009
2. Barbara P. Wheeler, Practical Forensic Microscopy: A Laboratory Manual, 2nd Edition, 2021

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	20
Time spent on preparation to seminars/ practical classess	2
Time spent on reading recommended literature	5
Time spent on writing report/making project	3
Time spent on preparing to colloqium/ entry test	
Time spent on preparing to exam	4
Other	
Student's workload in total	34
ECTS credits for the subject (in total)	1
Remarks	

* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloqium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...