



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Research methodology	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Dentistry
Level of study	Long-cycle (S2J)
Mode of study	Full-time studies
Year of studies, semester	Year 1, semester II
ECTS credits (incl. semester breakdown)	1
Type/s of training	Lecture – 4h, lecture e-learning – 1h, seminars – 8h, practical classes – 2h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <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	Prof. dr hab. n. zdr. Anna Grzywacz
Tutor responsible for the module	Dr n. med. Aleksandra Suchanecka e-mail: asuchan@pum.edu.pl
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/samodzielna-pracownia-promocji-zdrowia
Language	English

* replace ☐ into ☒ where applicable

Detailed information

Module objectives		Familiarizing the student with the basic methods of conducting scientific research
Prerequisite /essential requirements	Knowledge	-
	Skills	-
	Competences	-

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	knows and understands issues of genetics and molecular biology	B.W17.	K, O
U01	is able to use and process information using IT tools and accessing modern sources of medical knowledge	D.U13.	K, O
U02	is able to review medical literature, including English-language literature and draw conclusions	D.U16.	K, O
K01	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	O
K02	is ready to use reliable sources of information	K.7.	O
K03	is ready to draw conclusions from own measurements or observations	K.8.	O

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	Other...
W01	B.W17.	X	X	X			X	
U01	D.U13.	X	X	X			X	
U02	D.U16.	X	X				X	
K01	K.5.	X	X	X			X	
K02	K.7.	X	X	X			X	
K03	K.8.	X	X	X			X	

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Summer semester			
Practical classes			
TK01	Analysis of genetics data bases.	2	B.W17, D.U13, K.5., K.7., K.8.
Lecture			
TK01	Planning of scientific research in medicine.	2	D.U13., D.U16., K.5., K.7., K.8.
TK02	Basic biostatistical analyzes.	2	B.W17., K.5., K.7., K.8.
Lecture e-learning			
TK01	Scientific data bases.	1	D.U13., D.U16., K.5., K.7., K.8.
Practical classes			
TK01	Literature analysis.	2	D.U13, D.U16, K.5., K.7., K.8.
TK02	Planning the scientific research.	2	B.W17, D.U13, K.5., K.7., K.8.
TK03	Molecular research in contemporary medicine.	2	B.W17, D.U13., D.U16., K.5., K.7., K.8.
TK04	Research methodology in contemporary dentistry – students projects.	2	B.W17, D.U13., D.U16., K.5., K.7., K.8.

Booklist
Obligatory literature:
1. Research methodology. Methods and techniques. 2nd edition. C.R. Kothari. New Age International Publishers
Supplementary literature: -

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	15
Time spent on preparation to seminars/ practical classess	
Time spent on reading recommended literature	
Time spent on writing report/making project	
Time spent on preparing to colloquium/ entry test	
Time spent on preparing to exam	
Other	
Student's workload in total	

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 – colloquium

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...