



Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)

valid from the academic year 2018/2019

General Information

Module title	Research Methodology
Module type	Obligatory
Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine and Dentistry
Major	Not applicable
Level of study	long-cycle (S2J)
Mode of study	intramural
Year of studies, semester	Year I, semester II
ECTS credits (incl. semester breakdown)	1
Type/s of training	Practical classes (10h)
Form of assessment	graded assessment
Head of the Department/ Clinic, Unit	Prof. dr hab. n. zdr. Anna Grzywacz
Tutor responsible for the module	Prof. dr hab. n. zdr. Anna Grzywacz Dr n. med. Aleksandra Suchanecka
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/samodzielna-pracownia-promocji-zdrowia
Language	English

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) ZEK	Method of verification of learning outcomes *
W01	demonstrates knowledge of genetics and molecular biology	K_B.W17	K
U01	demonstrates skills of using and processing information incl. of using IT and accessing modern sources of medical knowledge	K_D.U15	O
U02	reviews medical literature , incl. of English-language literature and draws conclusions	K_D.U19	K
K01	shows habit of self-education and lifelong education	K_K01	O
K02	can make opinions on different aspects of professional activities	K_K10	O

Table presenting learning outcomes of the subject/module in relation to the form of classes

No.	SYMBOL (referring the standards) ZEK	Type/s of training							
		Lecture	Seminar	Practical classes	Clinical classes	Other...
1.	K_B.W17			X					
2.	K_D.U15			X					
3.	K_D.U19			X					
4.	K_K01			X					
5.	K_K10			X					

Module (subject) contents no.	Description of teaching programme	No. of hours	References to learning outcomes
TK01	Practical classes: Planning of scientific research in medicine.	2	U01, U02, K01, K02
TK02	Practical classes: Basic biostatistical analyzes.	2	W01, U01, U02, K01, K02
TK03	Practical classes: Molecular methods in research pt 1.	2	W01
TK04	Practical classes: Molecular methods in research pt 2.	2	W01, U01, K01, K02
TK05	Practical classes: Scientific data bases and publication reading.	2	W01, U01, U02, K01

Booklist			
Obligatory literature:			
1. Research methodology. Methods and techniques. 2nd edition. C.R. Kothari. New Age International Publishers			
Supplementary literature: -			
Student's workload (balance sheet of ECTS credits)			
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]		
	Tutor	Student	Average
Contact hours with the tutor	10		
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	10		
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...