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	*Medicine*
Level of study	*Long-cycle (S2J)*
Mode of study	*Full-time studies*
Year of studies, semester	*Year III, semester 5 (winter)*
Rok studiów /semestr studiów	*rok 3, semestr V*
ECTS credit (incl. semester breakdown)	*0,5*
Type of training	*lectures – 5 hours*
Form of assessment	□ *grade assessment:* □ *descriptive* □ *test* □ *practical* □ *oral* ***x non-graded assessment*** □ *fianl examination:* □ *descriptive* □ *test* □ *practical* □ *oral*
Head of the Department / Clinic, Unit	*Prof. dr hab. Barbara Dołęgowska*
Tutor responsible for the module	***Prof. dr hab. Barbara Dołęgowska /barbara.dolegowska@pum.edu.pl***
Department's/Clinic's/Unit's website	*Zakład Medycyny Laboratoryjnej* *Katedra Mikrobiologii, Immunologii i Medycyny Laboratoryjnej* *Tel.: 91 466 1652* *Email: zmlab@pum.edu.pl* *www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/katedra-mikrobiologii,-immunologii-i-medycyny-laboratoryjnej/*
Language	*English*

Detailed information

Module objectives		The general purpose of the Research Methodology is: to obtain basic knowledge on the subject of research; to acquire basic skills necessary in scientific research (searching and interpreting the content of articles, planning and conducting research, presenting results)
Prerequisite/essential requirements	Knowledge	Basic knowledge about statistics, epidemiology, basic knowledge about statistic, epidemiology, medical fields within the scope of the realized project
	Skills	Computer operating, using MS Office, websites
	Competences	Co-operation with team members (class-mates), self-education

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 (reffering the standards)	Method of verification of learning outcomes*
W01	Knows rules of temwork.	K_D.W18	P
W02	Knows principles of evidence-based medicine.	K_D.W23	P
U01	Communicates with colleagues giving constructive feedback and support.	K_D.U12	P
U02	Reviews medical literature and concludes the basics of available literature	K_D.U17	P

A table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical classes	Clinical classes	Simulations	E-learning	Other…
W01	D.W.18	X						
W02	D.W23	X						
U01	D.U12	X						
U02	D.U17	X						

Table presenting TEACHING PROGRAMME

No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
TK.01	Steps of the scientific method. Research plan structure. Research in medicine. Literature analysis. Databases.	1	D.W18, D.U17
TK.02	Disruptive factors in research. Basic and clinicians scientists collaboration. Bioethical commission.	1	D.W18, D.U12
TK.03	Basics of inference in medical science. Data collection and processing procedures.	1	D.W.18, D.U12

TK.04	Collecting data through observation. Uncertainty of measurement in research and clinical practice	1	D.W23, D.U17
TK.05	Implementing research results in clinical practice. Evidence-based medicine.	1	D.W23, D.U17

Booklist

Obligatory literature

1. Sam Goundar: Research Methodology and Research Method. Methods Commonly Used By Researchers. Victoria University of Wellington, 2012

Supplementary literature:

1. Barbara Kawulich: Collecting data through observation. In book: Doing Social Research: A global context (pp.150-160), Publisher: McGraw Hill, Editors: C. Wagner, B. Kawulich, M. Garner, 2012

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	5
Time spent on preparation to seminars/practical classes	-
Time spent on reading recommended literature	5
Time spent on writing report/making project	5
Time spent on preparing to colloquium/entry test	-
Time spent on preparing to exam	-
Other …..	-
Student's workload in total	15
ECTS Credits for the subject (in total)	0,5

Remarks

*Selected examples of methods of assessment:
EP – written examination
EU – oral examination
ET – test examination
EPR – practical examination
K – colloquium
P - project
R – report
S – practical skills assessment
RZĆ – 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….