



SYLLABUS of the MODULE (SUBJECT)
General Information

Module title: Publication and grant-writing workshop	
Module type	Facultative
Faculty PMU	Faculty of Medicine
Major	Medicine
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year II, semester III and IV
ECTS credits (incl. semester breakdown)	1 (0,5 + 0,5)
Type/s of training	lectures (0 h) /seminars (20 h)/ practical (0 h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input type="checkbox"/> test <input checked="" type="checkbox"/> practical <input type="checkbox"/> oral <input type="checkbox"/> non-graded assessment <input type="checkbox"/> final examination <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: aleksandra.suchanecka@pum.edu.pl
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/katedra_diagnostyki_laboratoryjnej/samodzielna_pracownia_genetyki_i_epigenetyki_behawioralnej/
Language	English

* replace into where applicable

Detailed information

Module objectives		The purpose of the course is to familiarize the student with the principles of creating publications and scientific projects.
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	has sufficient knowledge and understanding of basic IT and biostatistical tools used in medicine;	B.W23	S
W02	has sufficient knowledge and understanding of basic methods of statistical analysis used in population and diagnostic studies;	B.W24	S
W03	knows and understands the principles of conducting scientific research for the development of medicine.	B.W26	S
U01	can use medical databases and properly interpret the information contained therein to solve problems in the field of basic and clinical sciences;	B.U8	S
U02	is able to select an appropriate statistical test, perform basic statistical analyzes and use appropriate methods of presenting results;	B.U9	S
U03	can classify the methodology of scientific research, including distinguishing between experimental and observational studies as well as their subtypes, ranking them according to the degree of reliability of the results provided, and correctly assessing the strength of scientific evidence;	B.U10	S
U04	can plan and carry out scientific research, interpret its results and formulate conclusions;	B.U11	S
K01	use objective sources of information	K.07	S
K02	formulate conclusions from one's own measurements or observations	K.08	S
K03	implement the principles of professional camaraderie and cooperation in a team of specialists, including with representatives of other medical professions, including in a multicultural and multinational environment	K.09	S

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	B.W23		X				
W02	B.W24		X				
W03	B.W26		X				
U01	B.U8		X				
U02	B.U9		X				
U03	B.U10		X				
U04	D.U11		X				
K01	K.07		X				
K02	K.08		X				
K03	K.09		X				

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Seminars			
TK01	Scientific publication structure and scientific databases.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK02	Searching for scientific publications in databases and analyzing publications.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK03	Selecting a topic for publication and creating an abstract.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK04	Introduction and discussion in a scientific publication.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK05	Principles of creating and selecting bibliographies. Bibliographic managers.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
Summer semester			
TK01	Creating a review publication.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09

TK02	Scientific grants - knowledge of types of competitions and design.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK03	Research methodology - group selection and statistical analysis.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK04	Creating your project.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09
TK05	The ability to evaluate a scientific project.	2	B.W23, B.W24, B.W26, B.U8, B.U9, B.U10, B.U11, K.07, K.08, K.09

Booklist

Obligatory literature:

1. Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams, Joseph Bizup and William T. FitzGerald. *The Craft of Research, Fourth Edition*. The University of Chicago Press. 2016

2. Robert A. Day and Barbara Gastel. *How to Write and Publish a Scientific Paper: Seventh Edition* Cambridge University Press, 2012

Supplementary literature:

1. Denys Wheatley. *Scientific Writing and Publishing. A Comprehensive Manual for Authors*. Published online by Cambridge University Press: 14 October 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 classes	
Time spent on reading recommended literature	
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	25
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 – multimedia presentation
other...