



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

Module title: Evidence-Based Medicine and new technologies in dentistry	
Module type	Elective
Faculty PMU	Faculty of Dentistry
Major	Dentistry
Level of study	Long-cycle (S2J)
Mode of study	Full-time studies
Year of studies, semester	Year 2, semester VI
ECTS credits (incl. semester breakdown)	2
Type/s of training	Lecture – 25h
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> final examination <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> </li> </ul>
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: <a href="mailto:aleksandra.suchanecka@pum.edu.pl">aleksandra.suchanecka@pum.edu.pl</a>
Department's/ Clinic's/ Unit's website Samodzielna Pracownia Genetyki i Epigenetyki Behawioralnej al. Powstańców Wlkp. 72, 70-111 Szczecin Budynek K, II piętro tel: 91 466 1491, 91 466 1498 <a href="https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/katedra_diagnostyki_laboratoryjnej/samodzielna_pracownia_genetyki_i_epigenetyki_behawioralnej/">https://www.pum.edu.pl/studia_iii_stopnia/informacje_z_jednostek/wmis/katedra_diagnostyki_laboratoryjnej/samodzielna_pracownia_genetyki_i_epigenetyki_behawioralnej/</a>	

\* replace  into  where applicable

Language	English
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### Detailed information

<b>Module objectives</b>		Familiarizing the student with the methods of Evidence-based medicine
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.W15.	K, O
W02	knows and understands the basic IT and biostatistical tools used in medicine, including medical databases, spreadsheets and basics of computer graphics	B.W23.	K, O
W03	knows and understands the basic methods of statistical analysis used in population and diagnostic tests	B.W24.	K, O
U01	is able to use databases, including online resources and search for necessary information by means of accessible tools	B.U10.	K, O
U02	is able to critically analyse medical literature, including English sources and draw conclusions	B.U11.	K, O
K01	is ready to be guided by the patient wellbeing	K.2.	O
K02	is ready to notice and recognize own limitations, make self-assessment of educational deficits and needs	K.5.	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.W15.	X						
W02	B.W23.	X						
W03	B.W24.	X						
U01	B.U10.	X						

U02	B.U11.	X						
K01	K.2.	X						
K02	K.5.	X						

<b>Table presenting TEACHING PROGRAMME</b>			
<b>No. of a teaching programme</b>	<b>Teaching programme</b>	<b>No. of hours</b>	<b>References to learning outcomes</b>
<b>Summer semester</b>			
<b>Lecture</b>			
TK01	Introduction to evidence-based medicine (EBM): definition and history of EBM.	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK02	Presentation of research findings and their interpretation and basic EBM terminology.	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK03	Interpretation of scientific findings. Assessment of the reliability of scientific studies.	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK04	Types and methodology of clinical research.	3	B.W15, B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK05	Use of research for clinical decision making.	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK06	Evidence-based dentistry.	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK07	New technologies in medicine and dentistry part 1	3	B.W23., B.W24., B.U10., B.U11., K.2., K.5.
TK08	New technologies in medicine and dentistry part 2	4	B.W23., B.W24., B.U10., B.U11., K.2., K.5.

<b>Booklist</b>
Obligatory literature:
1. Sharon E. Straus, Glasziou Paul, W. Scott Richardson, Haynes, R. Brian. Evidence-Based Medicine, Elsevier Books, 2018
2. Research methodology. Methods and techniques. 2nd edition. C.R. Kothari. New Age International Publishers

Supplementary literature:
1. <a href="https://www.cochrane.org">https://www.cochrane.org</a>

<b>Student's workload</b>	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	25
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	10
Time spent on preparing to exam	
Other .....	
Student's workload in total	35
<b>ECTS credits for the subject (in total)</b>	2
<b>Remarks</b>	

\* 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...