Pomeranian Medical University in Szczecin

SYLLABUS of the MODULE (SUBJECT)
General Information

Module title: Basics of EBM (Evidence Based Medicine) 2023/2024	
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 V, semester X
ECTS credits	0,5
Type/s of training	e-learning: 5 hours
Form of assessment*	☐graded assessment: ☐descriptive ☒test ☐practical ☐oral ☐non-graded assessment ☐final examination ☐descriptive ☐test ☐practical ☐oral
Head of the Department/ Clinic, Unit	Ass. Prof. Tomasz Olszowski, PhD, MSc e-mail: tomasz.olszowski@pum.edu.pl
Tutor responsible for the module	Ass. Prof. Tomasz Olszowski, PhD, MSc e-mail: tomasz.olszowski@pum.edu.pl
Department's/ Clinic's/ Unit's website	https://www.pum.edu.pl/uniwersytet/dydaktyka_i_leczenie/kliniki_katedry_zaklady_i_pracownie/wmis/zakad_higieny_i_epidemiologii/
Language	English

* replace ☐ into ☒ where applicable

Detailed information

Module objectives		The student critically evaluates medical literature. He knows the concept of "knowledge and practice based on scientific evidence" (evidence based medicine); principles and formulation of research hypotheses in epidemiology.
Prerequisite /essential requirements	Knowledge	1. knows the methods of identification and examination of risk factors, advantages and disadvantages of various types of epidemiological studies; knows the measures of association used in different types of studies and cause-and-effect relationship
	Skills	1.explains the differences between prospective and retrospective, randomized and case-control studies, case reports and experimental studies and ranks them according to the reliability and quality of the scientific evidence
	Competences	1. shows the habit of 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 (referring the standards)**	**Method of verification of learning outcomes***
W01	knows principles of evidence-based medicine	D.W23	ET
U01	critically reviews medical literature , incl. English literature, and draws conclusions on the basis of available literature	D.U17	ET
K01	is aware of his/her own limitations and performs self-assessment of deficits and educational needs	K5	ET

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	D.W23						X	
U01	D.U17						X	
K01	K5						X	

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	**Teaching programme**	**No. of hours**	**References to learning outcomes**
Summer semester			
E-learning			
TK01	Evidence-based medicine. Clinical question.	1	W01; U01; K01
TK02	Critical evaluation of the results of epidemiological studies in clinical practice. Bias in epidemiological studies.	1	W01; U01; K01
TK03	Systematic review and meta-analysis	1	W01; U01; K01
TK04	Economic analyzes in health care	1	W01; U01; K01
TK05	Clinical practice guidelines	1	W01; U01; K01

Booklist
Obligatory literature:
1. Sharon E. Straus, Paul Glasziou, W. Scott Richardson, R. Brian Haynes. Evidence-Based Medicine. Elsevier Books, 2018

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	
Time spent on preparation to seminars/ practical classess	
Time spent on reading recommended literature	10
Time spent on writing report/making project	
Time spent on preparing to colloqium/ entry test	5
Time spent on preparing to exam	
Other …..	5
Student's workload in total	20
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 – colloqium
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…