



SYLLABUS of the MODULE (SUBJECT)
General Information

Module title: Addiction genetics	
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 I, semester I and II
ECTS credits (incl. semester breakdown)	1 (0,5 + 0,5)
Type/s of training	lectures (20 h)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <input type="checkbox"/> descriptive <input checked="" type="checkbox"/> test <input 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		To familiarize the student with the complexity of the addiction problem.
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 the genetic determinants of the most common single-gene, polygenic and multifactorial diseases, basic chromosomal aberration syndromes, syndromes caused by genomic rearrangements, polymorphisms, epigenetic and post-transcriptional changes;	C.W5	K
W02	knows and understands the groups of drugs whose abuse can lead to poisoning;	C.W35	K
W03	Knows and understands the concepts of health and disease, the impact of the social environment (family, work, social relations) and socio-cultural conditions (origin, social status, religion, nationality and ethnic group) on the patient's health;	D.W2	K
W04	Knows and understands problematic psychoactive substance use and addiction and behavioral addictions, methods of conducting brief interventions with problematic psychoactive substance users, mechanisms of addiction and the goals and treatment of addicts and effective prevention strategies, psychosomatic disorders occurring in people in close relationship with an addict and therapeutic approaches;	D.W12	K
K01	Is ready to take action towards the patient based on ethical principles, with awareness of the social conditions and limitations of the disease;	K.4	O
K02	Is ready to recognize their limitations, make self-assessments of deficits and educational needs;	K.5	O
K03	Is ready to promote health-oriented behavior;	K.6	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
W01	C.W5	X					
W02	C.W35	X					
W03	D.W2	X					
W04	D.W12	X					
K01	K.4	X					
K02	K.5	X					
K03	K.6	X					

Table presenting TEACHING PROGRAMME			
No. of a teaching programme	Teaching programme	No. of hours	References to learning outcomes
Winter semester			
Lectures			
TK01	Introduction to additology.	2	D.W2, D.W12, K4, K5
TK02	Basic concepts. Epidemiology.	2	D.W2, D.W12, K4, K5
TK03	Neurobiology of addiction.	2	C.W35, D.W2, D.W12, K4, K5
TK04	Psychological and social determinants of addiction.	2	D.W2, D.W12, K4, K5
TK05	Genetics of addiction.	2	C.W5, K4, K5
Summer semester			
TK01	Addiction prevention - genes or environment? Psychoactive substance use and family problems.	2	D.W2, D.W12, K4, K5
TK02	Addiction to alcohol and nicotine.	2	C.W5, C.W35, D.W2, D.W12, K4, K5
TK03	Addictions to stimulants and depressants.	2	C.W5, C.W35, D.W2, D.W12, K4, K5
TK04	Behavioural addictions.	2	C.W5, C.W35, D.W12, K4, K5
TK05	Treatment and support for addictions.	2	C.W5, D.W12, K4, K5

Booklist
Obligatory literature:
1. John Saunders, David Nutt, Susumu Higuchi, Sawitri Assanangkornchai, Henrietta Bowden-Jones, Wim van den Brink, Yvonne Bonomo, Vladimir Poznyak, Andrew Saxon, John Strang. Oxford Handbook of Addiction Medicine (3 ed). Oxford University Press, May 2024

Supplementary literature:
1. Darius Rastegar, Michael I. Fingerhood. ASAM Handbook of Addiction Medicine (2 ed). Oxford University Press, August 2020

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...