



Pomorski Uniwersytet Medyczny w Szczecinie

SYLLABUS OF ACTIVITIES General information

Name of the Class: Biomedical therapies for autism spectrum disorders	
Type of activity	<i>elective</i>
Faculty of PUM	<i>Medicine and Dentistry</i>
Field of study	<i>medical</i>
Speciality	-
Level of study	<i>single master's degree</i>
Form of study	<i>stationary</i>
Year of study /semester	<i>II/III and IV</i>
Number of allocated ECTS credits	<i>1</i>
Forms of teaching (number of hours)	<i>Lectures 10H/10H</i>
Ways of verifying and assessing learning outcomes *	<input type="checkbox"/> Assessment: <input checked="" type="checkbox"/> <i>descriptive</i> <input type="checkbox"/> <i>test</i> <input type="checkbox"/> <i>practical</i> <input type="checkbox"/> <i>oral</i> <input type="checkbox"/> <i>Pass/fail</i> <input type="checkbox"/> <i>final exam:</i> <input type="checkbox"/> <i>descriptive</i> <input type="checkbox"/> <i>test</i> <input type="checkbox"/> <i>practical</i> <input type="checkbox"/> <i>oral</i>
Head of Unit	<i>Prof. Dr. Karolina Skonieczna-Żydecka</i>
Teaching assistant professor or person in charge of the subject	<i>Prof. Karolina Skonieczna-Zydecka, MD, PhD Email: karzyd@pum.edu.pl</i>
Name and contact details of unit	<i>Department of Biochemical Research Ul. Broniewskiego 24, 71-460 Szczecin tel. 91 441 4806</i>
Unit website	<i>https://www.pum.edu.pl/universytet/dydaktyka_i_treatment/clinics_departments_and_workshops/wnoz/chair_and_department_of_human_nutrition_and_metabolomics/independent_workshop_biochemical_research/</i>

* tick as appropriate, changing ☐ to ☒.

Language of instruction	<i>English</i>
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Detailed information

Session objectives	To familiarise the student with the aetiology, course and therapeutic options in autism spectrum disorders	
Prerequisites for	Knowledge	Competence at secondary school biology level
	Skills	Analysis and interpretation of scientific publications
	Social competence	Systematicity, habit of self-education, teamwork

LEARNING OUTCOMES			
n/a learning outcome	A student who has successfully completed the ASSESSMENT knows/knows/can:	SYMBOL (reference to) learning outcomes for the course	Means of verification of effects learning*
W01	Knows and understands social attitudes towards the meaning of health, illness, disability and old age, the social consequences of illness and disability and socio-cultural barriers, and the concept of health-related quality of life	DW.3	ZAO
W02	Knows the importance of verbal and non-verbal communication in communicating with patients and the concept of trust in patient interaction	DW.4	ZAO
W03	He knows the regularities of human psychological development and the role of the patient's family in the treatment process;	DW.7	ZAO
W04	Understands the principles of the therapeutic team	DW.13	ZAO

Table of learning outcomes in relation to the form of classes							
n/a learning outcome	Learning outcomes	Form of classes					
		Lecture	Seminar	Exercises	Clinical exercises	Simulations	E-learning
1	W01	X					
2	W02	X					
3	W03	X					
4	W04	X					

TABLE OF CONTENTS OF THE PROGRAMME			
n/a curriculum content	Programme content	Number of hours	Reference to the learning outcomes for the ACTIVITIES
Winter semester			
Lectures			
TK01	Multidimensional model of care for a person with ASD	2	W01,W03, W04
TK02	Sensory disturbances in ASD	4	W03, W04
TK03	Neurological disorders and their treatment	4	W01,W02
TK04	Gut microbiota disorders in ASD with elements of probiotic therapy	4	W01,W04
TK05	The role of diet in the treatment of patients with ASD	4	W01,W04
TK06	Supplementation in ASD	2	W01,W04

Recommended literature:
Reference literature
Shaw W. et al: Autism. Treating autism spectrum disorders. Fraszka Edukacyjna Publishing House 2016 2. Shaw W. et al: Biological treatments for autism and PDD. Fraszka Edukacyjna Publishing House 2016
Shaw W. et al: Biological treatments for autism and PDD. Fraszka Edukacyjna Publishers 2016
Complementary literature
Scientific publications

Student workload	
Form of student workload (class participation, activity, report preparation, etc.).	Student workload [h]
	In the teacher's assessment (opinion)
Contact hours with the teacher	20
Preparation for exercise/seminar	
Reading of designated literature	5
Writing a lab/exercise report/preparing a project/reference etc.	5
Preparation for a colloquium/quiz	
Preparation for the examination	
Other	
Total student workload	30
ECTS credits	1
Comments	

*Example ways to verify learning outcomes:

EP - written exam

EU - oral examination

ET - test examination

EPR - practical exam
K - colloquium
R - paper
S - test of practical skills
RZC - exercise report with discussion of results
O - assessment of student activity and attitude
SL - Laboratory report
SP - case study
PS - assessment of ability to work independently
W - pre-class test
PM - multimedia presentation
and others