University of Gdańsk

Subject card

Subject name and code	Psychology with Elements of Clinical Psychology, PG_00205383		
Field of study	Medical Physics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Alicja Raczak	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	0.0	0.0	30

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	30	0.0	20.0	50

Subject objectives

Knowledge

Understanding of psychological theories explaining human motivation and behavior.

- Familiarity with psychopathological syndromes and personality disorders.
- Knowledge of the mechanisms and laws governing perception processes.

Understanding

- Comprehending human behavior in both normative and pathological states.
- Understanding the complex motives of individuals with mental and personality disorders.
- Developing the need for continuous knowledge and skill enhancement.
- Understanding the significance of communication psychology in the work of a medical physicist.

Skills

- The ability to assess a patient's mental state and optimally adjust one's own behavior to the situation.
- The ability to manage stress.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[FIZMEDL3_W10] Knows the psychological fundamentals of individual behaviour, interpersonal relationships, and the psychological factors involved in patient contact, including managing relationships with demanding patients and the principles of psycho-oncology. Also knows how to resolve psychological conflicts and the psychological challenges of professional work.	The student: Explains fundamental psychological concepts of human beings and differentiates between major psychological paradigms. Recognizes and describes basic mental disorders (anxiety, affective, psychotic) as well as personality disorders. Characterizes the psychological determinants of patient contact and discusses key elements of interpersonal communication, including communication barriers and techniques for overcoming them. Describes the psychological mechanisms underlying the behavior of a demanding patient and explains effective communication methods in this relationship. Analyzes and presents methods for resolving interpersonal conflicts, applying appropriate techniques. Explains the physiological basis of stress and lists effective stress coping strategies. Defines cognitive distortions and explains the ABC model (Activating Event, Beliefs, Consequences) with examples.	[SW3] text preparation/written work
[FIZMEDL3_U11] Can present and evaluate different opinions and positions, discuss them and participate in debates.	The student: Can present various psychological perspectives on human functioning, including differences in theoretical and methodological approaches. Can evaluate and discuss different opinions concerning psychological phenomena, demonstrating respect for the views of others. Actively participates in debates, formulating their arguments clearly and logically, and critically analysing the arguments presented by others.	[SU2] presentation/project/paper/ report
[FIZMEDL3_K01] He is ready for a critical evaluation of his own knowledge and the information he receives, and understands the need for further education and for improving professional and personal competencies.	Understand the need for and importance of continuous professional development, including independently seeking and verifying new information in the field of psychology. Demonstrates an open attitude towards new perspectives and theories.	[SK2] presentation/project/paper/ report

Subject contents

Psychological Concepts of the Human Being. Elements of clinical psychology and psychiatry: mental disorders (anxiety, affective, psychotic), personality disorders. Psychological determinants of patient contact.

Theories, models, and concepts of interpersonal communication: communication barriers, conflict resolution. Thinking traps: cognitive distortions, the ABC model (Activating Event Beliefs Consequences).

The physiology of stress and coping strategies.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
coloquium	51.0%	60.0%
presentation	51.0%	40.0%

Recommended reading

Basic literature	not applicable
Supplementary literature	not applicable
eResources addresses	

Example issues/ example questions/ tasks being completed	not applicable
Work placement	Not applicable

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