

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |                                         |                                     |                                                |            |     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------|------------|-----|
| Subject name and code                       | Psychology with Elements of Clinical Psychology, PG_00167122                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |                                                |            |     |
| Field of study                              | Medical Physics                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |                                         |                                     |                                                |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | Academic year of realisation of subject |                                     | 2025/2026                                      |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                                                                                                                         |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study |            |     |
| 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 Anna Korsak                          |                                     |                                                |            |     |
|                                             | 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                                 |                                                | 30.0       | 60  |
| Subject objectives                          | Knowledge                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          |                                         |                                     |                                                |            |     |
|                                             | Understanding of psychological theories explaining human motivation and behavior.                                                                                                                                                                                                                                                                                                                          |                                                          |                                         |                                     |                                                |            |     |
|                                             | <ul style="list-style-type: none"><li>Familiarity with psychopathological syndromes and personality disorders.</li><li>Knowledge of the mechanisms and laws governing perception processes.</li></ul>                                                                                                                                                                                                      |                                                          |                                         |                                     |                                                |            |     |
|                                             | Understanding                                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                |            |     |
|                                             | <ul style="list-style-type: none"><li>Comprehending human behavior in both normative and pathological states.</li><li>Understanding the complex motives of individuals with mental and personality disorders.</li><li>Developing the need for continuous knowledge and skill enhancement.</li><li>Understanding the significance of communication psychology in the work of a medical physicist.</li></ul> |                                                          |                                         |                                     |                                                |            |     |
| Subject objectives                          | Skills                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          |                                         |                                     |                                                |            |     |
|                                             | <ul style="list-style-type: none"><li>The ability to assess a patient's mental state and optimally adjust one's own behavior to the situation.</li><li>The ability to manage stress.</li></ul>                                                                                                                                                                                                             |                                                          |                                         |                                     |                                                |            |     |

| 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:<br>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:<br>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                | <p>Psychological Concepts of the Human Being. Elements of clinical psychology and psychiatry: mental disorders (anxiety, affective, psychotic), personality disorders. Psychological determinants of patient contact.</p> <p>Theories, models, and concepts of interpersonal communication: communication barriers, conflict resolution. Thinking traps: cognitive distortions, the ABC model (Activating Event Beliefs Consequences).</p> <p>The physiology of stress and coping strategies.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Percentage of the final grade           |
|                                 | colloquium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60.0%                                   |
|                                 | presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40.0%                                   |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |
|                                 | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |
|                                 | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |

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|----------------------------------------------------------------|----------------|
| Example issues/<br>example questions/<br>tasks being completed | not applicable |
| Work placement                                                 | Not applicable |

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