

1.	Field of study	Medical Physics
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2025/2026 (winter term)
4.	Level of qualifications/degree	first-cycle studies (in engineering)
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name		Internship
Module code		W4-FM-S1-6-23-PRAKT
Number of the ECTS credits		3
Language of instruction		Polish
Purpose and description of the content of education		<p>Professional practice in the field of medical physics is intended to deepen knowledge in the use of modern medical equipment and the use of modern diagnostic techniques in academic clinics and other specialized health care centers.</p> <p>As part of the internship, students learn about the operation, functioning and calibration of devices. Under the guidance of a professional supervisor, the practitioners perform some activities, joining the work of the team operating the given equipment. In addition, students doing internships in some facilities have the opportunity to learn about quality management and quality control systems in medical facilities. They carry out not only basic tests, but also specialized tests of radiological equipment.</p> <p>This way of carrying out professional practice and a large thematic freedom gives students of medical physics the opportunity to present their knowledge and prove themselves, both in state clinical institutions and private clinics or smaller laboratories.</p> <p>The organization of internships has adopted the principle that the student must familiarize himself with at least two diagnostic or therapeutic techniques. In most cases, students will become familiar with several different diagnostic or therapeutic techniques. Internships can be carried out in different facilities of one or even several different facilities.</p> <p>In addition, when a student is interested in additional professional practice, it is possible to complete additional unpaid internships in a selected institution, after completing the mandatory one. Additional practice requires the consent of the Dean/Vice-Dean and is also confirmed in the supplement issued as an attachment to the diploma.</p>
List of modules that must be completed before starting this module (if necessary)		not applicable

8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme		Level of competenc (scale 1-5)
E1	The student knows selected techniques of modern medicine enabling him to practice.	IW01		4
		IW02		4
		W03		4
		W04		4
		W06		4

E2	The student knows the basic principles of occupational health and safety.	IU09 IW03 W08	4 4 4
E3	The student is able to use knowledge in the field of physics and medicine to implement the subject of internships.	IU01 U03	4 4
E4	The student is able to work in a team, estimate the time and resources needed to complete the assigned task; The student is able to develop documentation regarding the implementation of an engineering task and prepare a text containing a discussion of the results of the implementation of this task.	IU03 IU04 IU05 IU07 IU08 IU10	4 4 4 4 4 4
E5	The student understands the division of tasks and the need to fulfill the assigned task; The student understands the need for systematic work on projects.	IK01 IK02 IK03	5 5 5

9. Methods of conducting classes		
Code	Category	Name (description)
d01	Programmed learning methods	Working with a computer <i>e.g., Webquest; implementation of educational tasks using electronic and digital devices, computer programs and Internet applications; the academic teacher acts as a consultant; students' work is carried out step by step according to the plan laid down by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline</i>
e01	Practical methods	Laboratory exercise / experiment <i>[also conducted as fieldwork] a method of practical application of knowledge; implemented in three stages: the recognition of a problem induced by the task content, the formulation of the problem and the attempt to solve it accompanied by the assessment of the effects; the goal is to acquire skills, abilities and habits, and to consolidate the acquired knowledge so that it becomes operational; the laboratory method assumes greater independence of learners than carrying out an experiment</i>
e02	Practical methods	Production exercise – workshop <i>an activity involving the creation of an object/product according to the rules/principles/description provided by the academic teacher acting as the workshop master</i>
e05	Practical methods	Internship <i>including professional and individual training; gaining skills and experience in real-life conditions, e.g., in the environment, institution or workplace the student is preparing for by following a specific study programme; training in real working conditions</i>

10. Forms of teaching					
Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
FZ1	internship	60	course work	E1, E2, E3, E4, E5	d01, e01, e02, e05

11. The student's work, apart from participation in classes, includes in particular:				
Code	Category	Name (description)		Is it part of the BUNA?
a02	Preparation for classes	Literature reading / analysis of source materials <i>reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class</i>		No
a03	Preparation for classes	Developing practical skills <i>activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)</i>		Yes
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content <i>reading through the syllabus and getting acquainted with its content</i>		Yes

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.