1.	**Field of study**	**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
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	**General information about the module**
Module name	**Individual Practice in a Research Group or Business Environment**
Module code	W4-FZ-S1-5-23-PRAKT
Number of the ECTS credits	3
Language of instruction	Polish
Purpose and description of the content of education	Professional internship in physics is an extremely important element of the educational process, aimed at preparing students for professional work in the field of physics. The internships are organized in renowned scientific institutions and companies, which allows students to gain practical experience and knowledge in their future work. As part of the professional internship course in physics, students have the opportunity to become familiar with the practical aspects of working in the field of physics. The internships cover various topics, such as designing and implementing new technological solutions, conducting scientific research, and analyzing and interpreting research results. During the internships, students learn how to use the latest technologies and tools applied in the field of physics, such as measurement systems, computer programs for data analysis, etc. Students also have the opportunity to become familiar with various research methods and ways of presenting their research results. Professional internships in physics allow students to gain valuable experience that will help them better understand the specifics of working in this field. Thanks to the internships, students also gain valuable interpersonal skills, such as teamwork, communication, and problem-solving.
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 is familiar with various research methods and ways of presenting research results.	K02 U03	1 1
E2	The student is able to apply the latest technologies and tools used in the field of physics, such as measurement systems and computer programs for data analysis.	U04	1
E3	The student is prepared for work in the field of physics, thanks to practical experience gained and skills in teamwork and problem-solving.	K02	1

E4	The student is able to analyze research results and implement new technological solutions.	U03	1
E5	The student is aware of the specifics of working in the field of physics and has knowledge of various fields of physics, which enables them to choose an appropriate career path.	K02 K03 W10	2 2 2

9. Methods of conducting classes

Code	Category	Name (description)
e05	Practical methods	Internship *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*

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	90	course work	E1, E2, E3, E4, E5	e05

11. The student's work, apart from participation in classes, includes in particular:

Code	Category	Name (description)	Is it part of the BUNA?
a01	Preparation for classes	Search for materials and review activities necessary for class participation *reviewing literature, documentation, tools and materials as well as the specifics of the syllabus and the range of activities indicated in it as required for full participation in classes*	No
a02	Preparation for classes	Literature reading / analysis of source materials *reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class*	No
a03	Preparation for classes	Developing practical skills *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)*	No
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content *reading through the syllabus and getting acquainted with its content*	No
d03	Consulting the results of the verification of learning outcomes	Review of internship documentation *an analysis of the portfolio of documentation obtained during internship, including professional internship, and other practical classes and studio sessions, as well as the documentation developed in order to obtain credit for such classes; verification of the description, necessary attachments, opinions and grades before submitting the portfolio for acceptance*	No

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.