

Monographic lecture II - course description

General information	
Course name	Monographic lecture II
Course ID	13.2-WF-FizD-ML-II-S17
Faculty	Faculty of Physics and Astronomy
Field of study	Physics
Education profile	academic
Level of studies	Second-cycle studies leading to MS degree
Beginning semester	winter term 2021/2022

Course information	
Semester	4
ECTS credits to win	4
Course type	obligatory
Teaching language	english
Author of syllabus	

Classes forms					
The class form	Hours per semester (full-time)	Hours per week (full-time)	Hours per semester (part-time)	Hours per week (part-time)	Form of assignment
Lecture	30	2	-	-	Exam

Aim of the course

Familiarize students with a selected, problems of physics at more advanced level than course lectures level. Detailed lecture topics will be given directly before the academic year in which this lecture will take place.

Prerequisites

Knowledge of mathematics and physics acquired during previous university courses.

Scope

The topic will be given directly before the academic year in which the lecture takes place.

Teaching methods

Conventional lecture with applications of multimedia tools.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
Student understands the laws of physics and can apply them to the description of physical phenomena. He uses the appropriate mathematical apparatus for modeling physical phenomena.	<ul style="list-style-type: none">• K2_W01• K2_W02	<ul style="list-style-type: none">• an exam - oral, descriptive, test and other	<ul style="list-style-type: none">• Lecture
Student is aware of the role of graduated in physics and especially understands need to formulate and communicate to the public information and opinions about the achievements of physics, and is making effort to communicate such information and opinions in understandable manner.	<ul style="list-style-type: none">• K2_K02• K2_K05	<ul style="list-style-type: none">• a discussion	<ul style="list-style-type: none">• Lecture
Student is aware of his knowledge and skills, understands the need and knows the possibilities of continuing education (third degree studies, postgraduate studies) - raising professional and personal competences.	<ul style="list-style-type: none">• K2_U09	<ul style="list-style-type: none">• a discussion	<ul style="list-style-type: none">• Lecture

Assignment conditions

A course credit for the lectures is obtained by taking a final exam composed of tasks of varying degrees of difficulty.

Recommended reading

The relevant bibliography will be given later.

Further reading

Notes

