

General seminar - course description

General information	
Course name	General seminar
Course ID	13.2-WF-FizD-GS-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 2020/2021

Course information	
Semester	4
ECTS credits to win	4
Course type	obligatory
Teaching language	english
Author of syllabus	<ul style="list-style-type: none">prof. dr hab. Krzysztof Urbanowski

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
Seminar	30	2	-	-	Credit with grade

Aim of the course

To teach students how to prepare speeches and papers in the field of modern physics and how to prepare by oneself to refer their speeches.

Prerequisites

Skills and knowledge gained during completed courses.

Scope

Elements of topics in the field of contemporary physics (with special emphasis of topics related to quantum optics and quantum information theory).

Teaching methods

Preparation of talks related to MSc thesis. Joint discussion concerning the merit and form of the presentations.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
The student can acquire by oneself his knowledge and to develop skills using a variety of sources (in Polish and foreign language) and modern technology.	<ul style="list-style-type: none">K2_U10	<ul style="list-style-type: none">a research paper	<ul style="list-style-type: none">Seminar
The student understands the role of active and passive dissemination of the knowledge.	<ul style="list-style-type: none">K2_K02	<ul style="list-style-type: none">a research paper	<ul style="list-style-type: none">Seminar
The student gains the ability to prepare oral presentations, in Polish and foreign language in the fields typical for both theoretical and experimental physics.	<ul style="list-style-type: none">K2_U13	<ul style="list-style-type: none">a research paper	<ul style="list-style-type: none">Seminar
The student gains a general knowledge in the field of current developments and latest discoveries in the physical sciences.	<ul style="list-style-type: none">K2_W06	<ul style="list-style-type: none">a discussiona research paper	<ul style="list-style-type: none">Seminar
Student is able to formulate theorems and physical laws together with the reasoning leading to them. Student can adapt the his/her presentation to the level of recipient's knowledge.	<ul style="list-style-type: none">K2_U01	<ul style="list-style-type: none">a discussiona research paper	<ul style="list-style-type: none">Seminar

Assignment conditions

Preparation and presentation at least two talks related to the topics discussed in classes. Active participation in discussions concerning presented talks.

Recommended reading

[1] Articles recommended by lecturer, published in scientific and popular journals

[2] Scientific articles downloaded from the server: lanl.arxiv.org.

Further reading

Notes

