Undergraduate seminar - course description

General information

Course name	Undergraduate seminar
Course ID	13.2-WF-FizP-US-S17
Faculty	Faculty of Physics and Astronomy
Field of study	Physics
Education profile	academic
Level of studies	First-cycle studies leading to Bachelor's degree
Beginning semester	winter term 2018/2019

Course information

Semester	6
ECTS credits to win	5
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
Seminar	30	2	-	-	Credit with grade

Aim of the course

Getting the student acquainted with legal and ethical conditions during of the undergraduate thesis preparation and putting in order the knowledge from different areas of physics having in mind the undergraduate exam

Prerequisites

Chosen subject of undergraduate thesis.

Scope

- Explaining the rules of undergraduate thesis writing: creating plan and different variants of its composition, how to put forward scientific problems and solve them.

- Presenting methods of searching for, gathering and preparing material.

- Presenting legal and ethical conditions, elementary knowledge of copyright regulations in regard to the thesis, warning against plagiarism, rules of citation and making references.

- Presenting by students the subjects of their undergraduate thesis in the form of a seminar.

- Formulating aims and composition of the thesis.

- Overview and consolidation of physics course contents before the undergraduate exam.

- Final presentation of undergraduate thesis using Beamer or PowerPoint slides.

Teaching methods

Elements of conventional lecture, students' presentations concerning their thesis (introduction to the subject and final presentation) as well as main subjects of the final exam.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
Student is able to investigate a specific physical problem		• a discussion • a research paper	• Seminar
Understands the need for, and sees opportunities for further training		• a discussion	• Seminar
Student has basic knowledge regarding copyrights and intelectual property. Knows rules of using scientific resources		• a discussion • a research paper	• Seminar

Assignment conditions

The credit for the seminar will be given on the basis of the presentations and activities (asking questions, providing comments) during the presentation of others.

Recommended reading

[1] T. T Kaczmarek, *Poradnik dla studentów piszących pracę licencjacką lub magisterską*, dostępne na stronie bg.szczecin.pl/pliki/poradnik_dla_studentow.pdf .

[2] strona www.praca-dyplomowa.com.pl/praca-licencjacka/

[3] J. Orear, *Fizyka*, tom 1 i 2, WNT, Warszawa 2004.

[4] D. Halliday, R. Resnick, J. Walker, *Podstawy fizyki*, tomy 1 – 5, PWN, Warszawa 2006.

Further reading

Notes

Modified by dr hab. Piotr Lubiński, prof. UZ (last modification: 01-08-2018 15:30)