



COURSE DESCRIPTION CARD - SYLLABUS

Course name

SCIENTIFIC AND RESEARCH GRANTS

Course

Proposed by Discipline

-

Year/Semester

I/1

Type of studies

Course offered in

Doctoral School

English

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Tutorials

Projects/seminars

6

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

Prerequisites

Knowledge: ability to name several agencies and institutions which fund research in Poland and EU.

Basic knowledge about research proposal preparation.

Skills: effective self-education in the field of study.

Social competencies: willingness to increase own competences and cooperating within a project team.

Course objective

Acquiring theoretical knowledge and practical skills related to the preparation of research project proposal.



Course-related learning outcomes

Knowledge

A PhD student who graduated from doctoral school knows and understands:

- 1) principles of publication of research work results, including regulations of the open access mode, [P8S_WG/SzD_W04]
- 2) economic, legal, ethical and other important conditions of research work. [P8S_WK/SzD_W06]

Skills

A PhD student who graduated from doctoral school can:

- 1) plan and realize individual and team research projects, also in international environment, [P8S_UK/SzD_U09]
- 2) plan and pursue scientific self-development and to be able to inspire and organize the development of others. [P8S_UK/SzD_U010]

Social competences

A PhD student who graduated from doctoral school is ready to:

- 1) critically assess the achievements within a given scientific discipline, [P8S_KK/SzD_K01]
- 2) maintain and develop the ethos of research and creative communities, including conducting independent scientific activity. [P8S_KR/SzD_K07]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

PQF code	Methods for verification of learning outcomes	Assessment criteria
W04, W06	Test on the issues discussed in the course - 10 questions: multiple choice, true or false	Correct answer to 10 questions
U09, U010	Exercise: preparation of certain elements of the research proposal (topic, research team, budget)	Compliance with the formal requirements of the PRELUDIUM call
K01, K07	Exercise: matching the call presented in the course to the researcher and his/her scientific achievements	Correct answer

Programme content

1. Overview of available sources of funding for research projects and stipends (Basic research and applied research – differences. National Science Center, Poland – program offer. The National Centre for Research and Development – program offer. Foundation for Polish Science – program offer. Polish National Agency for Academic Exchange – program offer. The European Commission – Horizon 2020 – program offer. Assessment of own achievements based on available programs).
2. Defining the overall scope of the project (Formulating of project objectives and research hypotheses. Verification of owned resources. Building a project team and a consortium).



3. Detailed planning of project implementation planning (Planning and scheduling. Risk analysis. Description of the project manager's achievements. Significance of the project and project impact. Features of perfect abstract. Research data management plan).
4. Project budget (Expenditure planning on the example of PRELUDIUM, National Science Center project).
5. Application process (Project application systems – ZSUN OSF and Funding&Tenders Portal. Evaluation of proposals. Features of good proposals. Most common mistakes).

Teaching methods

Lecture: multimedia presentation including illustrations and examples.

Bibliography

Basic

1. Announcement of the PRELUDIUM 19 call for proposals, <https://www.ncn.gov.pl/>
2. Horizon 2020 Online Manual, https://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm

Additional

1. „How to prepare a good proposal in EU calls”, Irena Sielamowicz, Tomasz Sielamowicz, Warsaw 2012, ISBN 978-83-01-16994-7.
2. “Project management”, Grażyna Leśniak-Łebkowska, Warsaw 2015, ISBN: 978-83-65416-24-7.
3. “Project Management - challenges and research results”, Michał Trocki, Emil Bukłaha, Warsaw 2016, ISBN: 978-83-8030-079-8.

Breakdown of average student's workload

	Hours	ECTS
Total workload	20	1.0
Classes requiring direct contact with the teacher	8	0.5
Student's own work (literature studies, preparation for tutorials, project preparation) ¹	12	0.5

¹ delete or add other activities as appropriate