

STUDY COURSE DESCRIPTION FORM		
Name of the course Scientific and research grants		Code
Name of the doctoral school Poznan University of Technology Doctoral School		Year /Semester I/1
Specialty -		Type (obligatory, elective): obligatory
No. of hours Lectures: 6 Classes: - Laboratories: - Seminars: -		No. of credits 1
Cycle of study: Third-cycle studies (Polish Qualifications Framework level eight)	Form of study: Full-time	Assessment: (written exam, presentation, etc.) written exam
Responsible for the course/lecturer: mgr Agnieszka Barcik e-mail: agnieszka.barcik@put.poznan.pl phone : +48 61 665 3776 Research and Development Office Poznan University of Technology Maria Skłodowska-Curie Square 5/409, 60-965 Poznan, Poland		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge: Ability to name several agencies and institutions which fund research in Poland and EU. Basic knowledge about preparation a research proposal.	
2	Skills: Effective self-education in the field of study.	
3	Social competencies: Willingness to increasing own competences and cooperating within project team.	
Objectives of the course: Acquiring theoretical knowledge and practical skills related to preparation of research project proposal.		
Educational results (Study outcomes)		
Knowledge:		
P8S_WG	principles of publication of research work results, including regulations of the open access mode	SzD_W04
P8S_WK	economic, legal, ethical and other important conditions of research work	SzD_W06
Skills:		
P8S_UO	to plan and realize individual and team research projects, also in international environment	SzD_U09
P8S_UU	to plan and pursue scientific self-development and to be able to inspire and organize the development of others	SzD_U010
Social competencies:		
P8S_KK	critically assess the achievements within a given scientific discipline	SzD_K01

P8S_KR	maintain and develop the ethos of research and creative communities, including conducting independent scientific activity	SzD_K07	
<p>Compulsory literature:</p> <ol style="list-style-type: none"> 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. 			
<p>Additional literature:</p> <ol style="list-style-type: none"> 1. Announcement of the PRELUDIUM 17 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 			
COURSE DESCRIPTION			
	General issues	Specific issues	No. of hours
1	Overview of available sources of funding for research projects and stipends.	<ul style="list-style-type: none"> • 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. 	1
2	Defining the overall scope of the project.	<ul style="list-style-type: none"> • Formulating the main goal of the project and the research hypothesis. • Verification of owned resources. • Building a project team and consortium. 	1,5
3	Detailed planning of project implementation planning.	<ul style="list-style-type: none"> • Planning and scheduling. • Risk analysis. • Description of the project manager's achievements. • Significance of the project and project impact. • Features of perfect abstract. 	1
4	Project budget.	<ul style="list-style-type: none"> • Expenditure planning on the example of PRELUDIUM, National Science Center project. 	1,5
5	Application process.	<ul style="list-style-type: none"> • Project application systems – ZSUN OSF and Participants Portal. • Evaluation of the proposals. • Features of good proposals. • Most common mistakes. 	1
Assessment methods of educational results			
<p>Multiple choice written test: Practical exercises after every theoretical part of course – possibility to get extra points.</p>			

STUDENT'S WORKLOAD	
Activity	Hours
Participation in lectures	6
Contact hours with lecturers	2
Self-study	12
Exam	1
TOTAL	21
TOTAL NUMBER OF ECTS POINTS FOR THE COURSE	1