

**DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SUPERVISOR DECLARING/CONDUCTING COURSE: prof. dr hab. inż. arch. Ewa Łużyniecka
DEPARTMENT: Faculty of Architecture
SCIENTIFIC DISCIPLINE: Architecture and Urban Planning

COURSE CARD

Course name in Polish: Granty naukowe jako element rozwoju warsztatu badawczego

Course name in English: Research grants as an element of the researcher's

Course language Polish / English*

The course is intended for all PhD students: YES / NO

- 1) BASIC COURSE
- 2) SPECIALIST COURSE
- 3) SEMINAR
- 4) HUMANISTIC COURSE
- 5) LANGUAGE
- 6) RESEARCH SKILLS

Subject code: AUQ100268S

* delete as applicable

	Lecture	Foreign language course	Seminar	Mixed forms
Number of hours of organized classes in university (ZZU)		15		
Grading	Exam	Exam	Oral presentation	Exam, inspection, evaluation classes

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

1. Specified research topics related to the development of a doctorate

COURSE OBJECTIVES

C 1-Preparation of doctoral students to develop grant applications

PROGRAM CONTENTS

Form of classes – seminar		<i>Number of hours</i>
Sem 1	Scientific grants as an important element of the work of a modern scientist.	1
Sem 2	Searching for a grant for yourself . Competitions : of the Ministry of Science and Higher Education (MNiSW), of the National Science Center (NCN)' of the Foundation for Polish Science (FNP), of the National Center for Research and Development (NCBiR).	2
Sem 3	Formulation of the application: analysis of the requirements.	1
Sem 4	Achievements: how to best describe and document the achievements of the project manager?	1

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

Sem 5	Description of project issues: purpose, meaning, work plan and methodology.	1
Sem 6	Reviewer's rating: basics of the review and questions asked.	1
Sem 7	How to write a summary, short description and detailed description. Who is assessing them?	2
Sem 8	Cost estimate: How do you calculate salary costs, equipment and other direct costs - which costs are included in direct costs?	2
Sem 9	Filling out the application in OSF and coordinating the application process: examples of proven techniques	2
Sem10	General practical notes related to the implementation of the research project	2
	Total hours	15

TEACHING TOOLS USED

N1	Multimedia presentation
N2	Didactic discussion

ACHIEVED SUBJECT LEARNING OUTCOMES

Type of learning outcome	Code of learning outcome	Assessment of learning outcome
Knowledge	P8S_WG	Knowledge assessment based on discussions
Skills	P8S_UK P8S_UW	Assessment of skills based on discussions
Social competences	P8S_UO	Assessment of involvement in the discussion

PRIMARY AND SECONDARY LITERATURE

PRIMARY LITERATURE:

1. Poradnik RMN „Jak napisać wniosek o finansowanie badań naukowych?”
(<http://rmn.org.pl/publikacje/>)
2. "Poradnik . Jak złożyć dobry wniosek do NCN" (<https://www.slideshare.net> › poradnik-jak-zlozycdobrywniosekdoncn).
3. "**Wnioski grantowe bez tajemnic**" (<https://bobn.po.opole.pl> › **images** › **przewodniki** › **wnioski grantowe bez.**)
4. "Jak napisać wniosek o finansowanie badań naukowych" (www.ifa.filg.uj.edu.pl › documents)
5. „Ten simple rules for getting grants” P.E.BourneiL.M.Chalupa
PLoSComput Biol. 2006 Feb;2(2):e12.
6. „Writing a good grant proposal” S.P.JonesiA.Bundy(<http://research.microsoft.com/en-us/um/people/simonpj/papers/Proposal.html>)

SECONDARY LITERATURE

1. NSF's Guide for Proposal Writing”
(<http://www.nsf.gov/pubs/1998/nsf9891/nsf9891.htm#advice>)
 2. „NIH's Grant Writing Tips Sheets” (https://grants.nih.gov/grants/grant_tips.htm)
- „HFSP's „Art of Grantsmanship”
(<http://www.hfsp.org/funding/art-grantsmanship>)

SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)

prof. dr hab. inż. arch. Ewa Łuzyniecka, ewa.luzyniecka@pwr.edu.pl