

co-requisites





Adam Mickiewicz University in Poznań

Faculty of Chemistry

ChemInter - wysokiej jakości międzynarodowy i interdyscyplinarny program studiów doktoranckich realizowany na Wydziale Chemii Uniwersytetu im. Adama Mickiewicza w Poznaniu

Managing an independent research project

Managing an independent research project			
dr inż. Krystyna Malińska			
Researcher's workshop			
Field of science	Interdycyplinarny		
Teaching method	Lecture combined with a workshop		
Language	English		
ECTS credits	1		
Numbers of hours	15		
Aims of the course	The course will address the complexity of performing independent research and help the doctoral candidates to get better understanding of the research process and the type of work they will have to do in order to plan, construct and manage an independent research project (such as a doctoral research project). The course aims at providing the fundamentals of constructing and managing a research project, in particular an individual research project, and walking the students through the processes of putting the research objectives and plan into the frame of a research project using the available resources.		
Course contents	 Performing independent research – advantages, disadvantages and challenges; PhD as an independent research project Translating the research concept into a project structure Building a research proposal (general considerations, understanding funding sources and rules, proposals as "elevator pitch", budget preparation) Project management tools (tasks and resources, project schedule, Ghantt charts and critical paths) Measures of performance (milestones, key performance indicators Risk analysis - identifying project risks and formulating a mitigation plan) Managing a self-directed research project Intellectual property within an individual research project Plagiarism and academic integrity Peer collaboration and critic Open science – guide to open access publishing 		
Prerequisites and	None		







Learning outcomes			
On completion of the course PhD candidates will be able to:		Assessment mode	
science for creative problems and resear - to define the aim of - to develop and creations - to draw conclusions The graduate is at research work, expeand their contribution	e to make use of knowledge from different fields of identification, formulation and solving of complex ch work, in particular: research work, formulate research hypotheses, eatively apply research methods, techniques and s. Die to critically analyze and evaluate results of rts' analyses, and other work of creative character in to science development. To plan and realize individual research projects.	Course assignment: a research proposal	
Literature	McCormac C. Research Project Success. The second seco	ne Essential Guide for	
	Science and Engineering Students, Royal S 2. Kennett B. Planning and Managing Scientific beginning researcher. ANU Press, 2014 3. vom Brocke J., Lippe S. 2015. Managing collapse synthesis of project management literature a research. International Journal of Project Management.	Research. A guide for the llaborative research project: A and directives for future	
Additional	Schedule:		
information	Group 1: 1. 12.04.2018 (Thu) – 13:15-14:45 (2h) 2. 13.04.2018 (Fri) – 10:00-13:00 (4h) 3. 19.04.2018 (Thu) – 13:15-14:45 (2h) 4. 20.04.2018 (Fri) – 10:00-13:00 (4h) 5. 27.04.2018 (Fri) – 10:00-12:15 (3h) Group 2: 1. 12.04.2018 (Thu) – 15:00-16:30 (2h) 2. 13.04.2018 (Fri) – 13:30-16:30 (4h) 3. 19.04.2018 (Thu) – 15:00-16:30 (2h) 4. 20.04.2018 (Fri) – 13:30-16:30 (4h) 5. 27.04.2018 (Fri) – 12:30-14:45 (3h)		
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