

RTU Course "Proseminars"

32000 Faculty of Natural Sciences and Technology

General data

Code	DA8114
Course title	Proseminars
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Markus Seidel
Academic staff	Juris Blūms Kārlis Dreimanis
Volume of the course: parts and credits points	1 part, 2.0 credits
Language of instruction	LV, EN
Annotation	During the study course, students acquire skills in reading and analyzing scientific literature. They learn to search, select and understand the structure of publications, as well as follow the reading and analysis process, which promotes the ability to perceive and evaluate the latest achievements in a particular field of science. Students demonstrate the acquired skills by presenting the content of publications in seminars and discussing their scientific nature.
Goals and objectives of the course in terms of competences and skills	The goal of the study course is to develop students' competencies in scientific literature analysis, critical evaluation and academic communication, ensuring the ability to independently search, compile and present the latest information in a specific field of science, as well as to create presentation on the obtained material. Objectives of the study course: - to promote students' ability to independently search and select appropriate scientific literature, as well as to critically evaluate sources; - to teach students to analyse and interpret the structure of publications, determine the main ideas and argumentation; - to develop students' skills in presenting scientific topics in seminars and discussing their essence, using appropriate terminology; - to train students to compile and systematize information, as well as to make a proceeding on the topic and present it.
Structure and tasks of independent studies	Literature search, preparation of scientific presentation, scientific writing.
Recommended literature	Zinātniskās publikācijas par doto tēmu. / Scientific publications on the given topic.
Course prerequisites	Not required.

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Structure of the study course and its organisation	2	0	0	0
Selection of the topic, preparation and presentation	20	30	0	0
Total:	22	30	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to independently search for and select scientific literature, evaluating the relevance and reliability of sources.	Assessment method: presentation and preparation of a publication. Criterion: the student provides references to the selected literature sources, correctly citing their bibliographic information.
Is able to analyse and interpret scientific publications, identifying key ideas, arguments and conclusions.	Assessment method: presentation, publication preparation, and discussion. Criterion: the presented material or submitted analysis clearly identifies the main ideas, supporting arguments, and scientific conclusions.
Is able to present and discuss publication topics to a broader audience.	Assessment method: presentation and discussion. Criterion: the seminar presentation is clear, logical, uses correct terminology, and the student can answer questions confidently.

Is able to summarize and organize acquired information, preparing a short article or presentation on the chosen topic.	Assessment method: preparation of a publication. Criterion: the article/proceedings material is well-structured, contains accurate information, is based on the literature review and presentation, and meets academic standards.
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Evaluation criteria of study results

Criterion	%
Presentation	40
Proceedings	40
Participation in discussion	20
Total:	100

Study subject structure

Part	CP	Hours			Tests		
		Lectures	Practical	Lab.	Test	Exam	Work
1.	2.0	2.0	20.0	0.0	*		