

COURSE UNIT DESCRIPTION – BACHELOR THESIS

Course unit title			Code
Bachelor Thesis			
Lecturer(s)		Department(s)	
Advisor appointed by the Study Programme Committee		n/a	
Cycle	Level of the course unit	Type of the course unit	
Full-time studies (1 st stage)	1 out of 1	Compulsory	
Mode of delivery	Period of delivery	Language of instruction	
Consultations; scientific research	Spring	Lithuanian	
Prerequisites and corequisites			
Prerequisites: Successful completion of all mandatory and elective course units according to the study plan and examination regulations and an achievement of an overall minimum amount of 220 credit points.		Corequisites (if any): None	
Number of credits allocated to the course unit	Student's total workload	Contact hours	Self-study and research hours
20	540	40	500
Purpose of the course unit: programme competences to be developed			
<ul style="list-style-type: none">To gain or develop competencies in knowledge and understanding, research, critical thinking and independent action, communication, personal effectiveness, and practical skills.			
Learning outcomes of the course unit		Teaching and learning methods	Assessment methods
Upon the successful completion of Bachelor thesis , students will acquire ability: <ul style="list-style-type: none">analyze and solve molecular biology-related questions;analyze and summarize data, drawing on numerical and statistical analysis skills as appropriate;build on existing knowledge to suggest new directions for investigation; discuss and evaluate scientific arguments;exchange ideas with scientific colleagues, including carrying out scientific research within a research group/team;appreciate the experimental approaches, methods and limitations in their field;formulate scientific questions and programmes of research, drawing on expertise in the design and rationale of scientific experiments;carry out scientific research within a research group or team;develop critical thinking, including the critical analysis of current literature.to work independently on a proposed topic and to express his/her ideas in a limited space, in a required form and in a clear manner		Consultations, research work, self-study.	Defense of Bachelor Thesis
Course main topics			

Selection of research laboratory from the list provided by the Study Programme Committee. Search and analysis of scientific literature. Discussions with scientific supervisor on research proposal.			
Research work at laboratory, participation in laboratory every-day life (seminars, discussions, etc.).			
Improvement of skills in scientific communication. Preparation of written Bachelor Thesis project.			
Oral defence of the Bachelor Thesis			
Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Thesis defense	100 %	During the session	Final grade is the average of marks for oral presentation (25%), answers to questions of members of defense committee (25%), written Thesis (25%) and reviewer's evaluation (25%).
Required literature			
Current research papers in the field of selected theme			
Recommended reading			
Scientific Communication. Jean-Luc Doumont, ed. Nature Education (http://www.nature.com/scitable/topic/scientific-communication-14121566)			