

COURSE UNIT DESCRIPTION – COURSE PROJECT

| Course unit title | Code |
|-----------------------|------|
| COURSE PROJECT | |

| Lecturer(s) | Department(s) |
|-------------------------------------------------------|---------------|
| Researcher 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, research work | 6 th semester, spring | Lithuanian |

| Prerequisites and corequisites | |
|-------------------------------------------------------------------------------|---------------------------------------|
| Prerequisites: Molecular Biology, Genetic Engineering, Biochemistry | Corequisites (if any): None |

| Number of credits allocated to the course unit | Student's total workload | Contact hours | Self-study and research hours |
|------------------------------------------------|--------------------------|---------------|-------------------------------|
| 4 | 100 | 7 | 93 |

| Purpose of the course unit: programme competences to be developed | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------|
| 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 |
| <p>Upon the successful completion of Course project, students will acquire ability:</p> <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 of research; Carry out scientific research within a research group or team; Develop critical thinking, including the critical analysis of current literature. | Consultations, research work, self-study. | Defense of Course Project |

| Content: breakdown of the topics | Contact hours | | | | | | | Self-study work: time and assignments | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|-----------|-----------------|---------------------------|---------------|---------------------------------------|------------------------------------------------------|
| | Lectures | Tutorials | Seminars | Exercises | Laboratory work | Internship/work placement | Contact hours | Self-study hours | Assignments |
| Selection of research laboratory from the list provided by the Study Programme Committee. Discussions with scientific supervisor on course project | | 1 | | | | | 1 | 20 | Preparation and presentation of Course Project Plan |
| Search and analysis of scientific literature. . Research work at laboratory, participation in laboratory every-day life (seminars, discussions, etc.). | | 4 | | | | | 4 | 53 | Preparation and Presentation of Course Project Draft |
| Oral presentation of the Course project, defense. | | 2 | | | | | 2 | 20 | Preparation for oral presentation of Course Project |
| Total | | 7 | | | | | 7 | 93 | |

| Assessment strategy | Weight, % | Assessment period | Assessment criteria |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project defense | 100 % | During the session | Written project must be submitted before the defense. Final mark is the average of marks for oral presentation and answers to questions of members of defense committee, and for written report. |
| 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) | | | |