Course code	Course group	Volume in ECTS credits	Course hours
BIO6008	C	7	175

Course type (compulsory or optional)	**Compulsory**
Course level (study cycle)	**Master**
Semester the course is delivered	**Autumn**
Study form (face-to-face or distant)	

Course title in Lithuanian

MOKSLINĖ PROFESINĖ PRAKTIKA

Course title in English

SCIENTIFIC PROFESSIONAL PRACTICE

Short course annotation in Lithuanian

Suteikti žinių apie šiuolaikinius molekulinės biologijos ir biotechnologijos metodus, ugdyti gebėjimą savarankiškai juos taikyti pasirinkto objekto ir jų sudėtinių dalių tyrimuose, ugdyti gebėjimą analizuoti, interpretuoti, kritiškai ir sistemiškai vertinti gautus tyrimų duomenis šiuolaikinių gyvybės mokslų žinių kontekste, pateikti moksliškai pagrįstas išvadas.

Short course annotation in English

Practice is due to provide deeper knowledge about newest molecular biology and biotechnology methods, elevate ability to use it for selected experiment object, form better analysis, data interpretation skills and make scientificly reasonable conclusions.

Prerequisites for entering the course

Molecular biology, Basic immunology, General genetics.

Course aim

Practical skills development and application in modern molecular biology and biotechnology methods.

Links between course outcomes and criteria of learning achievement evaluation

Course outcomes	Criteria of learning achievement evaluation
Knowledge of good laboratory practice rules.	
Know how to collect, process, code and save research data.	
Knows how to manage equipment, materials, research methodology.	Student shows theirs: creativity; ability to critically valuate theoretical and practical innovation, others researcher's results; qualified skills at information search and analysis; ability to present their work vocally and written in clear and right manner.
Knows data analysis methods.	
Can make generalization and deduce reasoned conclusions.	
Able to present their work vocally and written in clear and right manner	

Content (topics)

Content scheduled individually, regarding to research thesis.

Distribution of workload for students (contact and independent work hours)

Consultation – 15 hours, examination – 3 hours, individual work – 157 hours.

Structure of cumulative score and value of its constituent parts

Final assessment sums the assessments of paper work (70%), vocally presentation (15%), slide show presentation (15%).

Recommended reference materials

Composed individually by project supervisor

Course program designed by

Prof.dr.Algimantas Paulauskas, Vytautas Magnus University, Faculty of Natural Sciences, Department of Biology.