

Code	BENG 511
Name	Molecular Biology lab for Engineers
Hour per week	5 (1 + 4)
Credit	3
ECTS	10
Level/Year	Graduate / Anytime
Semester	Fall, Spring
Type	Elective
Prerequisites	-
Content	Course aims to teach basic molecular biology techniques to graduate students. Throughout the course students will learn about basic principles in designing molecular biology experiments, apply basic molecular biology knowledge in a research project, learn the steps of the protocols, and interpret their results. The subjects of the course include laboratory safety, DNA, RNA, PCR, qRT-PCR, plasmid isolation and sequencing.