

Code	<b>BENG 534</b>
Name	<b>Research Techniques in Bioengineering</b>
Hour per week	5 (3 + 2)
Credit	4
ECTS	10
Level/Year	Graduate / Anytime
Semester	Fall, Spring
Type	Elective
Prerequisites	
Content	This course is a platform where experts from various biological fields come together to equip students with the basic biological techniques used in research of different biological disciplines. Students will become familiar with the basic biological techniques in research, be able to perform different biological techniques. They will also become familiar with the laboratory rules and environment and acquire the ability to design and perform an experiment and analyze the outcomes. Microscopy, molecular probes, electrophoresis, chromatography, PCR and sequencing, gene editing, Recombinant DNA technology, cell culture, flow cytometry, SPR and Nano-discs all are topics that will be covered.