
Code	BENG 538
Name	Biological Sciences for Bioengineers
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate / Anytime
Semester	Fall, Spring
Type	Elective
Prerequisites	
Content	It is an introduction to definitions and principles of different biological processes. This course covers following topics: cell, central Dogma, cellular interactions, DNA synthesis and replication, transcription, translation, protein structure and modification, helix coil transition, cell-cell and cell-ECM interactions, cytoskeleton, cell signaling, genetics and epigenetics, biochemistry and molecular modeling. Bioengineering students who take that course will be equipped with the basic biological principles to be able to conduct their research.
