

Code	<b>BENG508</b>
Name	<b>Advanced Cell Biology</b>
Hour per week	3(3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate / Anytime
Semester	Fall, Spring
Type	Elective
Prerequisites	
Content	The course will cover topics related to the cell; Cell, cell cycle, signaling, ECM, protein dynamics. Student will extend their cell biology knowledge at the advance level. This course will also focus on control mechanism of cell, loss of mitochondrial function, apoptosis (cell death), diseases that are linked cell and cytoskeleton. The course includes exocytosis, endocytosis and secretion, motors in cell and cytoskeleton, extracellular matrix: its role, structure and function, cell migration and control mechanism. At the end of course students will master the molecular bases of cell biology at the molecular level.