

Code	AMN517
Name	Advanced Topics in Enzyme Science and Technology
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall, Spring
Type	Elective
Prerequisites	-
Content	Advanced Topics in Enzyme Science and Technology intends to focus on the technical use of enzymes in materials science and nanotechnology. It provides the theory and knowledge relevant to the enzyme technology principles including fundamental properties of enzymes, enzyme catalytic mechanisms and enzyme kinetics, enzyme production technology, isolation, purification and characterization. Techniques employed in enzyme immobilization and stabilization are also emphasized. This course aids to provide an awareness of the current and possible future applications of enzyme technologies.