

Code	MSME-608
Name	Advanced Reactions in Materials Science
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall, Springs
Type	Elective
Prerequisites	MSME-607
Content	This course focuses on fundamental principles of organic reactions and mechanisms and the detailed study of their applications in materials science and nanotechnology. The topics covered in this course include Alkene and Alkyne Compounds and Chemistry, Nuclear Magnetic Resonance and Mass Spectrometry, Radical Reactions, Alcohols and Ethers, Alcohols from Carbonyl Compounds, Conjugated Unsaturated Aromatic Systems, Aromatic Compounds.