

MEU INSTITUTE OF HEALTH SCIENCES COURSE SYLLABUS

Course title- course code: Advance Organic Chemistry - (EAK 611)						Programme name: Department of Analytical Chemistry, Doctorate Programme			
Level						MASTER OF SCI (Msc) DOCTORATE (PhD) X PREREQ. PREP.			
Hours/week	Ther.	Recite	Lab.		Others	Total	MEU Credit	ECTS Credit	
And credit	3	-	-	-	-	3	3		
Language	Turkish								
Compulsory / Elective	Elective								
Prerequisites	PhD student								
Course Contents	Organic structures, Organic reactions mechanisms, Stereochemistry, Heterocyclic compounds, Polymers, Lipids, Amino acids and nucleic acids, Orbital and pericyclic reactions in organic chemistry								
Course Objectives	To teach detail of advance subjects in organic chemistry								
Learning Outcomes and Competences	Complete to the criteria of mark in the exams								
Textbook and/or References	Jack L. J., "Name Reaction; A Collation of Detailed Reaction Mechanism". Berlin: NewYork; Springler, 2003. Smith M.B., March J. "Advance Organic Chemistry Reaction; Mechanism and Structure" NewYork; John wiley&Sons, Fifth Ed. 2001. Fleming I. "Pericyclic Reactions". Oxford Science Publications, 1999. McMurry S. "Organic Chemistry". Brooks/Cole, Fifth Edt. 2000.								
Assessment Criteria	Laboratory Work								
	Other								
	Committee Exam						X	100	
Instructors	Prof. Dr. H. Ali DONDAS								
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	Course Content
Week 1	Organic structures
Week 2	Organic structures
Week 3	Organic reactions mechanisms
Week 4	Organic reactions mechanisms
Week 5	Stereochemistry
Week 6	Stereochemistry
Week 7	Heterocyclic compounds
Week 8	Heterocyclic compounds
Week 9	Polymers
Week 10	Lipids
Week 11	Amino acids and nucleic acids
Week 12	Orbital and pericyclic reactions in organic chemistry
Week 13	Orbital and pericyclic reactions in organic chemistry
Week 14	Orbital and pericyclic reactions in organic chemistry