

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

Course Details					
Code				Academic Year	Semester
MBT476				4	8
Title	T	A	L	ECTS	
Active Agent Research	3	0	2	6	
Language	German				
Level	Undergraduate	X	Graduate		Postgraduate
Department / Program	Molecular Biotechnology				
Forms of Teaching and Learning	Face-to-Face				
Course Type	Compulsory		Elective	X	
Objectives	Gaining knowledge about research processes in pharmacology, pharmacodynamics and pharmacokinetics.				
Content	Drug classification and drug action mechanisms, active agent design, clinical applications				
Prerequisites	-				
Coordinator	-				
Lecturer(s)	Undefined				
Assistant(s)	-				
Work Placement	-				
Recommended or Required Reading					
Books / Lecture Notes	Pharmakologie und Toxikologie: Arzneimittelwirkungen verstehen, Lüllmann, Mohr und Hein, George Thieme Verlag				
Other Sources					
Additional Course Material					
Documents	-				
Assignments	-				
Exams	-				
Course Composition					
Mathematics and Basic Sciences					%
Engineering					%
Engineering Design					%
Social Sciences					%
Educational Sciences					%

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Natural Sciences	100		%
Health Sciences			%
Expert Knowledge			%
Assessment			
Activity	Count		Percentage (%)
Midterm Exam	1		40
Quiz	0		0
Assignments	0		0
Attendance	0		0
Recitations	1		20
Projects	0		0
Final Exam	1		40
		Total	100
ECTS Points and Work Load			
Activity	Count	Duration	Work Load (Hours)
Lectures	14	3	42
Self-Study	14	3	42
Assignments	0	0	0
Presentation / Seminar Preparation	0	0	0
Midterm Exam	1	10	15
Recitations	0	0	0
Laboratory	14	2	28
Projects	0	0	0
Final Exam	1	10	15
		Total Work Load	132
		ECTS Points (Total Work Load / Hour)	6
Learning Outcomes			
1	Gaining knowledge about research processes in pharmacology, pharmacodynamics and pharmacokinetics.		
Weekly Content			
1	Drug classification and drug action mechanisms		
2	Clinical pictures		
3	Working mechanisms of central nervous system, circulatory system and liver		
4	Active agent design		
5	Pharmacodynamics, pharmacokinetics		
6	Clinical studies		

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Contribution of Learning Outcomes to Program Objectives (1-5)

	P1	P2	P3	P4	P5	P6	P7
1	5	5	5	5	3	5	0

Contribution Level: 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High

<https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=en&curSunit=5707>

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