

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

Course Details					
Code				Academic Year	Semester
MBT479				4	7
Title	T	A	L	ECTS	
Targeted Drug Delivery	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 up-to-date research areas in targeted drug delivery designs				
Content	Therapies for cancer and infectious diseases, vaccine technologies, nucleic acid based drugs, targeted delivery, bacterial and viral vectors, nanocarriers and nanoparticles				
Prerequisites	No				
Coordinator	Undefined				
Lecturer(s)	Undefined				
Assistant(s)					
Work Placement	No				
Recommended or Required Reading					
Books / Lecture Notes	Cancer Targeted Drug Delivery, Springer Verlag Targeted Drug Delivery : Concepts and Design, Springer Verlag Multifunctional Nanoparticles for Drug Delivery Applications, Springer Verlag				
Other Sources					
Additional Course Material					
Documents					
Assignments					
Exams					
Course Composition					
Mathematics und 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	10
Recitations	0	0	0
Laboratory	14	2	28
Projects	0	0	0
Final Exam	1	10	10
		Total Work Load	132
		ECTS Points (Total Work Load / Hour)	6
Learning Outcomes			
1	Gaining knowledge about up-to-date research areas in targeted drug delivery designs		
Weekly Content			
1	Therapies for cancer and infectious diseases		
2	Targeted delivery methods		
3	Vaccine technologies		
4	Nucleic acid based drugs		
5	Bacterial and viral vectors		
6	Nanocarriers and nanoparticles		

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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	-	5	-
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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