

**DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS**

Course Details					
Code				Academic Year	Semester
MBT442				4	8
Title	T	A	L	ECTS	
Project II (Bachelor Thesis)	0	0	6	12	
Language	German				
Level	Undergraduate	X	Graduate		Postgraduate
Department / Program	Molecular Biotechnology				
Forms of Teaching and Learning	Face-to-face				
Course Type	Compulsory	X	Elective		
Objectives	To provide the student with the ability to analyze the problem/system with which he/she is dealing and to develop solution ideas considering theoretical knowledge. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. The student will communicate his/her study efficiently, verbal and written, so he/she will learn to express himself/herself better.				
Content	I. To provide the student with the ability to analyze the problem/system with which he/she is dealing and to develop solution ideas considering theoretical knowledge. II. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. III. The student will communicate his/her study efficiently, verbal and written, so he/she will learn to express himself/herself better.				
Prerequisites	MBT441				
Coordinator	Doç. Dr. Orkide Coşkuner Weber				
Lecturer(s)					
Assistant(s)					
Work Placement	No				
Recommended or Required Reading					
Books / Lecture Notes	Scientific Journals and Books related to the field will be disseminated to the students in digital form.				
Other Sources					
Additional Course Material					
Documents					
Assignments					
Exams					
Course Composition					

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Mathematics und Basic Sciences		%
Engineering		40%
Engineering Design		40%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		20%

Assessment

Activity	Count	Percentage (%)
Midterm Exam		
Quiz		
Assignments		
Attendance		
Recitations		
Projects	1	100
Final Exam		
Total		100

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	14	4	56
Self-Study	14	16	224
Assignments			
Presentation / Seminar Preparation	1	35	35
Midterm Exam			
Recitations			
Laboratory			
Projects			
Final Exam	1	40	40
Total Work Load			355
ECTS Points (Total Work Load / Hours)			12

Learning Outcomes

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1	Formulate and analyze a problem by examining the current status.
2	Develop applicable suggestions and/or solution methods for the problem dealt with, considering theoretical knowledge.
3	Gain the ability to implement a solution method to an existing problem and will be able to evaluate the
4	Learn to express himself/herself by reporting and presenting the work.
5	Learn to defend the idea that underlines the results of the study.

Weekly Content

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

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

	P1	P2	P3	P4	P5	P6	P7
1	5	5	5	5	5	5	5
2							

Contribution Level

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

P01 Working with modern scientific sources.

P02 Having modern scientific knowledge and scientific analysis abilities and being able to apply them to scientific problems.

P03 Having theoretical and practical skills in the area of biotechnology.

P04 Having foreign language skills to follow the worldwide advancements in the field of biotechnology and to be able to discuss them with foreign colleagues.

P05 Having computational skills for research data analysis purposes.

P06 Having appropriate skills for academic and industrial jobs, being ready to take responsibility in working life.

P07 Having knowledge about work occupational work and safety.

Compiled by:

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Date of Compilation:

01.03.2021