DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

Course Details				
Code	**Academic Year**			**Semester**
NWI401	4			7
Title	**T**	**A**	**L**	**ECTS**
Scientific Study Methods	2	0	0	2

Language	German					
Level	**Undergraduate**	**X**	**Graduate**		**Postgraduate**	
Department / Program	Department of 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	İ. 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. İİ. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. İİİ. The student will communicate his/her study efficiently, verbal and written, so he/she will learn to express himself/herself better.					
Prerequisites						
Coordinator						
Lecturer(s)	Asist Prof.Dr. Duygu Ekinci					
Assistant(s)						
Work Placement	No					

Recommended or Required Reading	
Books / Lecture Notes	
Other Sources	

Additional Course Material	
Documents	
Assignments	
Exams	

Course Composition		
Mathematics und Basic Sciences		%
Engineering	40	%

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

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

Assessment

Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz	0	0
Assignments	0	0
Attendance	0	0
Recitations	0	0
Projects	0	0
Final Exam	1	60
	Total	**100**

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	14	2	28
Self-Study	5	4	20
Assignments			
Presentation / Seminar Preparation	1	10	10
Midterm Exam	1	2	2
Recitations			
Laboratory			
Projects			
Final Exam	1	2	2
		Total Work Load	**62**
		ECTS Points (Total Work Load / Hours)	**2**

Learning Outcomes

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 results.
4	Learn to express himself/herself by reporting and presenting the work.

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

5	Learn to defend the idea that underlines the results of the study.
Weekly Content	
1	Project work, literature search, presentations of exemplary studies from the methods of Materials science;

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							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

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

Compiled by:	
Date of Compilation:	

Course Details

Code	**Academic Year**	**Semester**

Title	**T**	**A**	**L**	**ECTS**

Language						
Level	**Undergraduate**		**Graduate**		**Postgraduate**	
Department / Program						
Forms of Teaching and Learning						
Course Type	**Compulsory**		**Elective**			
Objectives						
Content						
Prerequisites						
Coordinator						

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

Lecturer(s)	
Assistant(s)	
Work Placement	

Recommended or Required Reading	
Books / Lecture Notes	
Other Sources	

Additional Course Material	
Documents	
Assignments	
Exams	

Course Composition		
Mathematics und Basic Sciences		%
Engineering		%
Engineering Design		%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		%

Assessment

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

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures			
Self-Study			
Assignments			

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

Presentation / Seminar Preparation			
Midterm Exam			
Recitations			
Laboratory			
Projects			
Final Exam			
		Total Work Load	
		ECTS Points (Total Work Load / Hour)	

Learning Outcomes	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Weekly Content	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

DEPARTMENT OF MOLECULAR BIOTECHNOLOGY
COURSE SYLLABUS

11	
12	
13	
14	
15	

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

	P1	P2	P3	P4	P5	P6	P7
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High
Compiled by:	
Date of Compilation:	01.03.2021