

DEPARTMENT OF MECHATRONICS ENGINEERING

Course Details						
Code			Academic Year			Semester
MEC292			2			Spring
Title			T	A	L	ECTS
Project Management			1	1	0	2
Language	German					
Level	Undergraduate	✓	Graduate		Postgraduate	
Department / Program	Mechatronics					
Forms of Teaching and Learning	Formal					
Course Type	Compulsory	✓	Elective			
Objectives	Students who have successfully completed this module have received an overview of project management techniques. Master the common techniques and instruments for efficient planning and implementation of projects. The lecture ayrıca, activity lecture, which reflects every technique used by the students.					
Content	Simple tools and techniques for project planning e.g. work breakdown, scope, budget, time, critical path / Gantt charts, resource management as well as simple tools and techniques for project implementation e.g. scope management, issue management, change management.					
Prerequisites	-					
Coordinator	Dr. Batin Latif Aylak					
Lecturer(s)	Dr. Batin Latif Aylak					
Assistant(s)	R. A. Fatma Sena Karal					
Work Placement	-					
Recommended or Required Reading						
Books / Lecture Notes						
Other Sources						
Additional Course Material						
Documents	<ul style="list-style-type: none">Slides of the lecturesExercises					
Assignments						
Exams						
Course Composition						

DEPARTMENT OF MECHATRONICS ENGINEERING

Mathematics und Basic Sciences		%
Engineering	100	%
Engineering Design		%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		%

Assessment

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

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	14		14
Self-Study			
Assignments			
Presentation / Seminar Preparation			
Midterm Exam	1		10
Recitations	14		22
Laboratory			
Projects			
Final Exam	1		10
Total Work Load			56
ECTS Points (Total Work Load / Hour)			2

Learning Outcomes

1	Project management approaches
2	Project planning – Work Plan (Work, sub-business, sub-work), Scope, Budget, Time
3	Project Execution -Risk management, Problem management, Change request management

4	Earned Value Analysis										
Weekly Content											
1	Introduction: What is project management?										
2	Project management approaches / Scrum										
3	Project planning – Business Plan Scope, Budget, Time										
4	Critical Path / Gantt Chart										
5	Project resource planning										
6	Risk management										
7	Finance for PM 1										
8	Finance for PM 2										
9	Midterm Exam										
10	Communication / Scope adaptation										
11	Project execution / Project on paper										
12	Problem management										
13	Change request management										
14	Earned Value Analysis										
15	Overview and application										
Contribution of Learning Outcomes to Program Objectives (1-5)											
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11
1	5	5	3	4	3	5	5	5	5	3	3
2	5	5	3	4	4	5	5	5	5	3	3
3	5	5	3	4	3	5	5	5	5	3	3
4	5	5	3	4	5	5	5	5	5	3	3
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=196											
Compiled by:		R.A. Oğuzhan Memişoğlu									
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