

MECHANISMS

1	Course Title:	MECHANISMS
2	Course Code:	BSM3813-S
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	5
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	0
11	Prerequisites:	none
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. FERHAT KURTULMUŞ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	ferhatk@uludag.edu.tr
17	Website:	
18	Objective of the Course:	Agricultural Machinery used in the four-bar, slider-crank, gears, hearts, and the spring mechanism is to introduce methods of creating kinematic chains of mobility conditions and methods of analysis necessary to make. Teach velocity and acceleration analysis.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learn basic concepts
	2	Understand the mechanisms of Arm
	3	Kinematic analysis of mechanisms that can
	4	Drawing methods to understand the mechanisms
	5	Understanding Graphical Method
	6	Understand the slider-crank mechanism
	7	Understand the four-bar mechanism
	8	Understanding the mechanism of double pendulum
	9	Perform analyzes of Speed
	10	Able to analyze the acceleration
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Basic Concepts	Sample Solution

2	Basic Concepts	Sample Solution		
3	Arm Mechanism	Sample Solution		
4	Arm Mechanism	Sample Solution		
5	Arm Mechanism	Sample Solution		
6	Kinematic Analysis of Mechanisms	Sample Solution		
7	Kinematic Analysis of Mechanisms	Sample Solution		
8	Midterm Exam, repetition of course	Sample Solution		
9	Kinematic Analysis of Mechanisms	Sample Solution		
10	Kinematic Analysis of Mechanisms	Sample Solution		
Activites		Number	Duration (hour)	Total Work Load (hour)
11	Kinematic Analysis of Mechanisms	Sample Solution		
12	Theoretical	14	1.00	14.00
Practicals/Labs		14	2.00	28.00
13	Mechanisms of Cam	Sample Solution		
15	Self study and preperation	13	1.00	13.00
Homeworks		0	0.00	0.00
14	Sample Solution	Sample Solution		
16	Projects	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	15.00	15.00
22	Textbooks, References and/or Other	1	0.00	0.00
Others		0	0.00	0.00
Final Exams		2	20.00	20.00
Total Work Load				90.00
Total work load/ 30 hr		3		3.00
ECTS Credit of the Course				3.00
		Çağlayan Kitabevi, İSTANBUL. 5. PAŞİN,F., GÜRGÖZE,M., TAŞCAN,S., Mekanizma Tekniği, İstanbul Teknik Üniversitesi Vakfı, Kitap No: 16, İSTANBUL.		
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT	
Midterm Exam		1	40.00	
Quiz		0	0.00	
Home work-project		0	0.00	
Final Exam		1	60.00	
Total		2	100.00	

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	
24	ECTS / WORK LOAD TABLE