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
12	Kinematic Analysis of Mechanisms	Sample Solution
13	Mechanisms of cam	Sample Solution
14	Sample Solution	Sample Solution

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	13	1.00	13.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

22	Textbooks, References and/or Other 1. IŞIK, E., 2002. Mekanizma Tekniği, U.Ü. Zir.Fak. Ders Notları, BURSA. 2. KOPMAZ,O., 1999.Ders Notları, U.U. Mühendislik Mimarlık Fakültesi, BURSA. 3. OZOKLAV,H., 1986. Kinematik (Dinamik I), Çağlayan Kitabevi, İSTANBUL. Çağlayan Kitabevi, İSTANBUL. 5. PASİN,F., GÜRGÖZE,M., TAŞCAN,S., Mekanizma Tekniği, İstanbul Teknik Üniversitesi Vakfı, Kitap No: 16, İSTANBUL.
23	Assesment

TERM LEARNING ACTIVITIES	NUMBER	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

25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	4	4	3	2	3	3	5	4	3	2	4	0	0	0	0
ÖK2	3	3	3	3	2	3	3	4	5	4	3	3	0	0	0	0
ÖK3	2	3	4	4	5	3	3	5	4	4	3	5	0	0	0	0
ÖK4	4	4	4	3	4	4	2	4	5	5	5	4	0	0	0	0
ÖK5	4	5	4	3	5	4	3	4	3	3	4	4	0	0	0	0
ÖK6	5	5	3	3	3	5	2	4	3	4	2	4	0	0	0	0
ÖK7	4	5	4	3	5	5	2	5	3	3	4	4	0	0	0	0
ÖK8	5	4	4	2	5	4	3	3	2	2	4	4	0	0	0	0
ÖK9	3	5	5	4	5	4	4	4	5	5	5	5	0	0	0	0
ÖK10	3	4	4	4	4	3	3	5	3	3	3	4	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**