MECHANICS AND STATICS

1	Course Title:	MECHANICS AND STATICS
2	Course Code:	INTZ101
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. ENGİN KALAY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Öğr. Gör. Engin KALAY enginkalay@uludag.edu.tr 02247112781-61758
17	Website:	
18	Objective of the Course:	Students will be able to the basic calculations required for the design of structural elements with this course.
19	Contribution of the Course to Professional Development:	The student will learn the basics of static projects that he/she will frequently encounter in his/her professional life, will be able to comment on these projects while performing his/her profession, and have an idea about errors and correction methods.
20	Learning Outcomes:	
	1	Define to mechanical size
	2	Define to measuring units
	3	Use to MKS and SI measuring units
	4	Calculation to Scalar and Vectorial Quantities
	5	Define to size of the force
	6	Determine to force component.
	7	Determine to resultant force
	8	Determine to moment
	9	Define to isostatic beams
	10	Determine to support reaction of isostatic beams.
21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Units of Measurement	
2	Units of Measurement	
3	Scalar and Vector Quantities	
4	Scalar and Vector Quantities	
5	Operations Forces Component and Composition	

6	Operations Forces Component and Composition	
7	Operations Forces Component and Composition	
8	Repeating courses and midterm exam	
9	Moment	
10	Moment	
11	Support reactions	
12	Support reactions	
13	Support reactions	
14	Support reactions	
22	Textbooks, References and/or Other Materials:	
23	Assesment	

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	25.00
Quiz	0	0.00
Home work-project	1	15.00
Final Exam	1	60.00
Total	3	100.00

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	10	2.00	20.00
Homeworks	1	10.00	10.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	25.00	25.00
Total Work Load			117.00
Total work load/ 30 hr			3.90
ECTS Credit of the Course			4.00

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	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0

ÖK5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

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