

MECHANICS OF MATERIALS I

1	Course Title:	MECHANICS OF MATERIALS I
2	Course Code:	INS2011
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. M.ÖZGÜR YAYLI
15	Course Lecturers:	Prof. Dr. BABÜR DELİKTAŞ
16	Contact information of the Course Coordinator:	ozguryayli@uludag.edu.tr 224 2941961 Uludağ Univ. Müh. Fak. İnşaat Müh. Böl. Görükle, Bursa
17	Website:	
18	Objective of the Course:	
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Be able to describe the definitions, fundamental terms, historical development and application fields of the theory of strength of materials, both orally and in writing
	2	Be able to describe and exemplify the relations between force-stress, stress-strain, and force-displacement of the deformable bodies relating to real world
	3	Be able to model the relations between force-stress, stress-strain, and force-displacement of the deformable bodies by using simple drawing techniques or modern computer technology
	4	Be able to establish theoretical formulation for the relations between force-stress, stress-strain, and force-displacement of the deformable bodies by using mathematic and the theory of strength of materials
	5	Be able to describe mechanical properties of materials and able to identify these mechanical properties experimentally
	6	Be able to calculate load carrying capacity of the structural members and be able control the mechanical behavior of the structural members
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21	Course Content:	
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ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	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			