STATICS									
1	Course Title:	STATICS							
2	Course Code:	INS1012							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	2							
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:	Prof. Dr.	BABÜR DELİKTAŞ						
15	Course Lecturers:	Prof. Dr.	Babür Deliktaş						
16	Contact information of the Course Coordinator:	bdeliktas@uludag.edu.tr 224 2900744 Bursa Uludağ Univ. Müh. Fak. İnşaat Müh. Böl. Görükle, Bursa							
17	Website:	http://insaat.uludag.edu.tr							
18	Objective of the Course:	To provide the theory of engineering mechanics of rigid body in details with its applications.							
19	Contribution of the Course to Professional Development:	 1 Be able to describe the definition, main branches, fundamental terms, historical development and application fields of the theory of engineering mechanics, both orally and in writing 2 Be able to explain Newton Laws of Motions, the basics rules, assumptions and limitations of the theory of engineering mechanics, both orally and in writing 3 Be able to express the force systems by using oral, writing and technical drawing skills 4 Be able to model the force systems by using simple, drawings or modern computer technology 5 Be able to establish reasonable and consistent links among real physical system, model, theory, equations, analysis and results 7 Be able to design of the new engineering system or to be able to control and judge the existing one 							
20	Learning Outcomes:								
		1	Be able to describe the definition, main branches, fundamental terms, historical development and application fields of the theory of engineering mechanics, both orally and in writing						
		2	Be able to explain Newton Laws of Motions, the basics rules, assumptions and limitations of the theory of engineering mechanics, both orally and in writing						
		3	Be able to express the force systems by using oral, writing and technical drawing skills						
		4	Be able to model the force systems by using simple, drawings or modern computer technology						

		5	Be able to analyze the force systems by using the knowledge of physics , mathematics and theory engineering mechanics along with the use of computer technology									
		6	Be able to establish reasonable and consistent links among real physical system, model, theory, equations, analysis and results Be able to design of the new engineering system or to be									
		7	Be able to design of the new engineering system or to be able to control and judge the existing one									
		8										
		9										
		10										
21	Course Content:											
		Co	ourse Content:									
Week	Theoretical		Practice									
1	Introduction											
2	Vectors and Vector Arithmetic											
3	Vectors and Vector Arithmetic											
4	Forces Systems											
5	Forces Systems											
6	Equilibrium of Particles	I										
7	Loads	buted										
Activit	es		Number	Duration (hour)	Total Work Load (hour)							
Th eo re	Equilibrium of Rigid Bodies		14	3.00	42.00							
Practica	als/Labs		0	0.00	0.00							
Self2stu	dyalyaisreperation and Machines		14	4.00	56.00							
Homew	vorks		4	4.00	16.00							
Profect	Analysis of Flexiable Cables- Frictior	ו	2	4.00	8.00							
Field S	tudies		0	0.00	0.00							
Midtern	N texternials:		M e hmet Bakioğlu, Birse	8)0a) yınevi,2006	3.00							
Others			0	0.00	0.00							
Final E	xams		Mehmet Hakki Omurtag	, 2₿≬% en yayınevi, 2	1219 0							
Total W	/ork Load				130.00							
Total w	ork load/ 30 hr		C., Prentice Hall, 2005.		4.23							
ECTS (Credit of the Course				4.00							
			W.Fowler, Addison Wesley Longman, 1999									
			Vector Mechanics for Engineers–Statics, 7th SI Ed., Beer F. P., Johnston E. R. and Eisenberg E. R., McGraw-Hill, 2004.									
			Engineering Statics, 3rd SI Ed., Meriam J. L., Kraige L. G., John Wiley, 2003.									
23	Assesment											
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT									
Midtern	n Exam	1	20.00									
Quiz		2	10.00									
Home v	work-project	6	10.00									

Final Exam						1		60.	60.00							
Total							0	10	100.00							
Contribution of Term (Year) Learning Activities to Success Grade							40.	40.00								
Contribution of Final Exam to Success Grade							60.	60.00								
Total							10	100.00								
Measurement and Evaluation Techniques Used in the Course							ne Mio	Midterm and Final Exams								
24 ECTS / WORK LOAD TABLE																
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	4	0	0	3	0	0	2	0	0	0	2	2	0	0	0	0
ÖK2	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
ÖK3	5	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK5	5	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	3	5	4	0	0	0	0	3	0	0	0	0
ÖK7	0	0	0	2	4	5	4	0	3	0	0	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib1 very low2 lowutionLevel:			3 Medium		4 High		5 Very High									