STATICS									
1	Course Title:	STATICS	5						
2	Course Code:	INS1012							
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	le						
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 f	ace						
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 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 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						
		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								
	Canter of Mass, Centroids and Distrik Loads	outed							
8	Equilibrium of Rigid Bodies								
9	Equilibrium of Rigid Bodies								
10	Equilibrium of Rigid Bodies								
11	Analysis of Plane Trusses								
12	Analysis of Frame and Machines								
13	Analysis of Space Trusses								
14	Analysis of Flexiable Cables- Friction	I							
	Textbooks, References and/or Other Materials:		Mühendislik Mekaniği Statik, Mehmet Bakioğlu, Birsen Yayınevi,2006						
			Mühendisler için Mekanik Satik Mehmet Hakkı Omurtag, Birsen yayınevi, 2009						
			Engineering Mechanics-Statics, 3rd SI Ed., Hibbeler, R. C., Prentice Hall, 2005.						
			Engineering Mechanics: Statics (2nd Edition), A. Bedford, 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								
	EARNING ACTIVITIES	NUMBE R	WEIGHT						
Midterm	Exam	1	20.00						
Quiz 2			10.00						
Home w	ork-project	6	10.00						

Final Exam	1	60.00					
Total	10	100.00					
Contribution of Term (Year) Learning Activit Success Grade	ies to	40.00					
Contribution of Final Exam to Success Grad	le	60.00					
Total		100.00					
Measurement and Evaluation Techniques U Course	sed in the	Midterm and Final Exams					
24 ECTS / WORK LOAD TABLE	:						

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	4	4.00	16.00
Projects	2	4.00	8.00
Field Studies	0	0.00	0.00
Midterm exams	1	3.00	3.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			130.00
Total work load/ 30 hr			4.23
ECTS Credit of the Course			4.00

							150									
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
		<u> </u>	LO: L	_earr	ning () Objec	tive	s P	Q: P	rogra	ım Qu	alifica	tions	<u> </u>		
Contrib 1 very low 2 low ution Level:			3 Medium			4 High			5 Very High							