TRANSPORT TECHNIQUE

1	Course Title:	TRANSPORT TECHNIQUE	
2	Course Code:	MAK4105	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
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:	No	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Dr. Ögr. Üyesi GÜLTEKIN KARADERE	
15	Course Lecturers:	Doç. Dr. Gültekin KARADERE	
16	Contact information of the Course Coordinator:	karadere@uludag.edu.tr 224-2941977 UÜ MMF Makine Müh. Bölümü, 16059 Bursa.	
17	Website:		
18	Objective of the Course:	Learning the basic engineering information about conveying and hoisting machinery	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To have the basic engineering information about conveying machinery
		2	To have the basic engineering information about hoisting machinery
		3	To take courage to specialize on conveying-hoisting machinery with design projects
		4	
		5	
		6	
		7	
		8	
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Introduction to Transport Machines, Classification, The Role and Significance of Conveying and Hoisting Machines	
2	Conveying Machines, Classification of Conveying Machines, Basic Concepts	
3	Belt Conveyors, Conveyor Calculation	

4	Numerical Examples Related to Conveying Machines	
5	Hoisting Machines, Ropes, Chains	
6	Hoists, Rolls, Roller Trains, Twin Roller Trains	
7	Hooks, Shackles	
8	Repeating courses and midterm exam	
9	Drums	
10	Brakes	
11	Hoisting System Design	
12	Numerical Examples Related to Hoisting Machines	
13	Numerical Examples Related to Hoisting Machines	
14	Discussion of Project Results	

22	Textbooks, References and/or Other Materials:	1. Lecture notes (in Turkish), Gültekin Karadere, 2015. 2. Transport Tekniği Cilt 1 (İletim Makineleri), (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1984. 3. Transport Tekniği Cilt 2 (İletim Makineleri), (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1984. 4. Transport Tekniği Cilt 3 (Kaldırma Makineleri), (in [illegible] 6. Conveying Machines, Volume II, A. Spivakovsky and V. Dyachkov, Mir Publishers, Moscow, 1985. Problemler, (in Turkish), Canlı Kurbanoğlu, Atlas Yayın Dağıtım, 2002.
23	Assesment	

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	2.00	28.00
Homeworks		8	4.00	32.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	9.00	9.00
Midterm Exam	1	30.00		
Others		0	0.00	0.00
Final Exams		1	9.00	9.00
Home work-project	8	10.00		
Total Work Load				120.00
Total work load/ 30 hr				4.00
Total	10	100.00		
ECTS Credit of the Course				4.00

Success Grade	
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	5	4	4	0	0	4	4	0	0	5	0	0	0	0	0	0

ÖK2	5	4	4	0	0	4	4	0	0	5	0	0	0	0	0	0
ÖK3	5	4	4	0	0	4	4	0	0	5	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**