

TRANSPORT SYSTEMS

1	Course Title:	TRANSPORT SYSTEMS	
2	Course Code:	OTO4028	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
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:	Doç. Dr. GÜLTEKİN KARADERE	
15	Course Lecturers:	Doç. Dr. Gültekin KARADERE	
16	Contact information of the Course Coordinator:	karadere@uludag.edu.tr 224-2941977 BUÜ Mühendislik Fakültesi, 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:	To gain experience in machine design with numerical applications.	
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
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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	Repetition of midterm exam topics	
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 the given homework results and repetition of the final exam topics	

22	Textbooks, References and/or Other Materials:	<ol style="list-style-type: none"> 1. Lecture notes (in Turkish), Gültekin Karadere, 2020-2021. 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 (Kuvvetli Makineleri) (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1984.
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Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical	6	14	and V. Dyachkov, Mir Publishers, Moscow, 1985. Volume II, A. Spivakovsky	3.00	42.00
Practicals/Labs			0	0.00	0.00
Self study and preperation	7	15	Transport Teknigi, Teori, Konstruksiyon, Cozumlu Problemler, (in Turkish), Cahit Kurbanoglu, Atlas Yayin	3.00	42.00
Homeworks			1	12.00	12.00
23. Assessment Projects			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams	1	3	0.00	12.00	12.00
Others			0	0.00	0.00
Final Exams	1	1	0.00	12.00	12.00
Home work project			1	10.00	12.00
Total Work Load					120.00
Total work load/ 30 hr			3	100.00	4.00
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			Exams (90%) and Homework (10%)		

24	ECTS / WORK LOAD TABLE
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ÖK2	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	4	4	4	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			