

# TRANSPORT TECHNIQUE

<b>1</b>	Course Title:	TRANSPORT TECHNIQUE	
<b>2</b>	Course Code:	MAK4105	
<b>3</b>	Type of Course:	Optional	
<b>4</b>	Level of Course:	First Cycle	
<b>5</b>	Year of Study:	4	
<b>6</b>	Semester:	7	
<b>7</b>	ECTS Credits Allocated:	4.00	
<b>8</b>	Theoretical (hour/week):	3.00	
<b>9</b>	Practice (hour/week):	0.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:	No	
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Doç. Dr. GÜLTEKİN KARADERE	
<b>15</b>	Course Lecturers:	Doç. Dr. Gültekin KARADERE	
<b>16</b>	Contact information of the Course Coordinator:	karadere@uludag.edu.tr 224-2941977 BUÜ Mühendislik Fakültesi, Makine Müh. Bölümü, 16059 Bursa.	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	Learning the basic engineering information about conveying and hoisting machinery	
<b>19</b>	Contribution of the Course to Professional Development:	To gain experience in machine design with numerical applications.	
<b>20</b>	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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<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
<b>1</b>	Introduction to Transport Machines, Classification, The Role and Significance of Conveying and Hoisting Machines		
<b>2</b>	Conveying Machines, Classification of Conveying Machines, Basic Concepts		
<b>3</b>	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"> <li>1. Lecture notes (in Turkish), Gültekin Karadere, 2020-2021.</li> <li>2. Transport Tekniği Cilt 1 (İletim Makineleri), (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1984.</li> <li>3. Transport Tekniği Cilt 2 (İletim Makineleri), (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1984.</li> <li>4. Transport Tekniği Cilt 3 (Kaldırma Makineleri), (in Turkish), Mustafa Demirsoy, Birsen Yayınevi, İstanbul, 1985.</li> <li>5. Conveying Machines, Volume I, A. Spivakovsky and V. Dyachkov, Mir Publishers, Moscow, 1985.</li> <li>6. Conveying Machines, Volume II, A. Spivakovsky and V. Dyachkov, Mir Publishers, Moscow, 1985.</li> <li>7. Transport Tekniği, Teori, Konstrüksiyon, Çözümlü Problemler, (in Turkish), Cahit Kurbanoğlu, Atlas Yayın Dağıtım, 2002.</li> </ol>
23	Assesment	
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>
Midterm Exam		1
Quiz		0
Home work-project		1
Final Exam		1
Total		3
Contribution of Term (Year) Learning Activities to Success Grade		40.00
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	<b>ECTS / WORK LOAD TABLE</b>	

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	3.00	42.00
Homeworks	1	12.00	12.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	12.00	12.00
Others	0	0.00	0.00
Final Exams	1	12.00	12.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

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	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
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
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			