

WORK MACHINERY

1	Course Title:	WORK MACHINERY
2	Course Code:	INS3017
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	5
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
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. ADEM DOĞANGÜN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof. Dr. Adem DOĞANGÜN
17	Website:	
18	Objective of the Course:	Understanding the general structure of the work machines to ensure that the suitable machine is selected for the job.
19	Contribution of the Course to Professional Development:	o ensure that he / she knows the work machines that can be used in construction site applications and their features
20	Learning Outcomes:	
	1	To be able to know the general definition and features of construction machines
	2	Understanding the features of wheeled work machines
	3	Understanding the features of tracked work machines
	4	Understanding the features of tower and crane machines
	5	Understanding the features of asphalt and construction site machines
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	General description of construction machinery	
2	Classification of work machines	
3	Description and characteristics of construction site machines	
4	Description and characteristics of off-road machines	

5	Definition and characteristics of tracked work machines	
6	Description and characteristics of wheeled work machines	
7	Description and features of tower and crane work machines	
8	Description and characteristics of excavator and scraper excavators	
9	Definition and properties of concrete plants, transmixers and concrete pumps	
10	Description and features of crushers, crushing machines and screens	
11	Description and features of asphalt machines	
12	Occupational safety in construction equipment	
13	Occupational safety in construction equipment	
14	Occupational safety in construction equipment	

22	Textbooks, References and/or Other Materials:	İş Makineleri El Kitabı-I, TMMOB MAKİNA MÜHENDİSLERİ ODASI, ISBN: 302, 140 sayfa. G. Dosdoğru Güven yayınevi Ankara 1979
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23	Assesment	
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Activites			Number	Duration (hour)	Total Work Load (hour)
Quiz					
Theoretical	0	0	0	2.00	28.00
Practicals/Labs			0	0.00	0.00
Final Exam					
Self study and preperation	1	60	14	4.00	56.00
Homeworks			0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade		40	0	0.00	0.00
Field Studies			0	0.00	0.00
Contribution of Final Exam to Success Grade		60	0	0.00	0.00
Midterm exams		60	1	2.00	2.00
Others			0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course				2.00	2.00
Total Work Load					90.00
24. ECTS / WORKLOAD TABLE					
Total work load/ 30-hr					2.93
ECTS Credit of the Course					3.00

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	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0

ÖK5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High				