TOROS ÜNİVERSİTESİ

Vocatıonal School
Constructıon Technology

Course Information

WORK MACHINES					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
ITP111	Fall	2	0	2	2

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lect. Emre ÜNAL
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	The aim is to give the student the knowledge of planning of machines and equipment used in constructions.
Contents of the Course	Course planning, topics to be covered, information about the content. Detailed information about excavator, loader, bekoloder, dozer, grader, scraper, trucks, forklifts, manlifts, concrete mixer, concrete pump, compressors, aggrease production, winch, dragline, fore piling machine, tunneling machine, freezers, pavers, cylinders

Learning Outcomes of Course

#	Learning Outcomes
1	To be able to know construction machines.
2	To be able to calculate operating costs of machines.
3	To be able to apply programming and working types of excavation and conveying machinery
4	To be able to get maintanance and repairs of machinery equipment done regularly.
5	It classifies which machines will be more useful in which jobs

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Derste informs about what machines are to be used, where they are used,	Lecture, presentation, homework
2	Excavators - Loaders	Lecture, presentation, homework
3	Dozers - Graders	Lecture, presentation, homework
4	Trucks - Scrapers	Lecture, presentation, homework
5	Mini Loaders-Forklifts-Stacker	Lecture, presentation, homework
6	Concrete Transmixer - Concrete Pump	Lecture, presentation, homework
7	Pre-examination course	Lecture, presentation, homework
8	Midterm	Midterm
9	Compactor - Weaving production - Compressor	Lecture, presentation, homework
10	Manlift - Crane	Lecture, presentation, homework
11	Dragline - Fore Pile	Lecture, presentation, homework

12	Tunneling machines	Lecture, presentation, homework
13	Freezeler (Trimer) - Finers (Vögele)	Lecture, presentation, homework
14	Cylinders	Lecture, presentation, homework
15	Pre-examination course	Lecture, presentation, homework
16	Final Exam	Final Exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Megep (Vocational Technical Training Programs and Learning Materials)	megep.gov.tr	
2	MKÜ course notes	MKÜ course notes	

Method of Assessment

#	Weight	Work Type	Work Title
1	20%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam
3	20%	Mid-Term Exam	Mid-Term Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To be able to know construction machines.	2,3,4,5	1,2,3
2	To be able to calculate operating costs of machines.	2,3,4,5	1,2,3
3	To be able to apply programming and working types of excavation and conveying machinery	2,3,4,5	1,2,3
4	To be able to get maintanance and repairs of machinery equipment done regularly.	2,3,4,5	1,2,3
5	It classifies which machines will be more useful in which jobs	2,3,4,5	1,2,3

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	2	4	8
8	Midterm Exam	2	2	4
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0

13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	4	4
16	Final Exam	1	2	2
				60