TOROS ÜNİVERSİTESİ

Vocatıonal School
Constructıon Technology

Course Information

PHYSICS					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
ITP113	Fall	1	2	2	3

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lect. Birsen KESİK ZEYREK
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To gain basic physics knowledge that students can use in their professional life.
Contents of the Course	Unit Systems, Vectors, Force, Balance and Moment, Mass and Weight, Motion Law's, Newton Law's, Motion on Friction Surfaces, Work-Power-Energy, Matter and Electric charge, Coulomb Law's, Electric Field, Magnetic field- Magnetism

Learning Outcomes of Course

#	Learning Outcomes
1	Being able to understand the basic concepts and principles of physics
2	Being able to have an ability of asking and thinking about physics subjects
3	Being able to learn the applications of physics in daily life
4	Learn the basic concepts of physics education program of opticianry necessary

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Unit Systems	Senkrone, Asenkrone
2	Vectors	Senkrone, Asenkrone
3	Force	Senkrone, Asenkrone
4	Force	Senkrone, Asenkrone
5	Equilibrium and moment	Senkrone, Asenkrone
6	Mass and Weight	Senkrone, Asenkrone
7	Solution of problems	Senkrone, Asenkrone
8	Mid-term exam	
9	Motion in one dimension	Senkrone, Asenkrone
10	Motion in two dimension	Senkrone, Asenkrone
11	Newton's Law	Senkrone, Asenkrone
12	Motion on Friction Surfaces	Senkrone, Asenkrone

13	Motion on Friction Surfaces	Senkrone, Asenkrone
14	Work-Power-Energy	Senkrone, Asenkrone
15	Solution of problems	Senkrone, Asenkrone
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1			
2			

Method of Assessment

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

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Being able to understand the basic concepts and principles of physics	1,2	1,2,3
2	Being able to have an ability of asking and thinking about physics subjects	1,2	1,2,3
3	Being able to learn the applications of physics in daily life	1,2	1,2,3
4	Learn the basic concepts of physics education program of opticianry necessary	1,2	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	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	0	0	0
3	Presentation and Seminar Preparation	1	3	3
4	Web Research, Library and Archival Work	1	6	6
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	5	5
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	1	10	10
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	1	3	3
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	10	10
				90