Course Information								
Course Code	**T**	**P**	**L**	**C**	**ECTS**	**Type** C/E	**Language** TR/ENG etc.	**Year/Semester**
FİZ2007	**3**	**0**	**0**	**3**	**3**	**C**	**TR**	**2/FALL**
Course Name (Turkish**)**	**Fizikte Mesleki İngilizce**							
Course Name (English**)**	**Professional English for Physics Science**							

Unit/Program	Physics Department/Undergraduate Program
Course Prerequisite	No
Course Objectives	This course aims to provide students with professional English skills in the field of physics. Comprehending the basic principles of physics, scientific reporting, oral presentation and professional communication skills are among the goals of the students in this course process.
Course Outline	Introduction and Objectives of the Course, Basic Concepts and English Terms in Physics, Introduction to Professional English, Examination of Newton's Laws of Motion, Practice of Describing Physical Phenomena in English, Electrical Circuits and Basic Terms, Professional English for Electricity and Magnetism, Professional English Terms for Quantum Physics
Textbook/ Material / Resources	1- "Professional English in Use: Engineering" by Mark Ibbotson ve Bryan Stephens 2- "Technical English: Writing, Reading and Speaking" by Nell Ann Pickett ve Ann Appleton Guy 3- "Physics: Principles with Applications" by Douglas C. Giancoli
Internship Status	No

Course Precedents

University Name	**Program Name**	**Course Name**	**T-P-L-C; ECTS**	**Type**
Istanbul Technical University	**Physics**	**Professional English**	**3-0-0-3; 3**	**C**
Anadolu University	**Physics**	**Professional English**	**2-2-0-3; 5**	**C**
Bilken University	**Physics**	**Professional English**	**3-2-0-4; 4**	**E**

The instructor who proposed the course (Title, Name and Surname)	*Signature*
Prof. Niyazi Bulut, MD	
Instructors who can teach the course (Title, Name and Surname)	*Signature*

Academic justification for the opening of the course? (The effect of course outcomes on program outcomes, etc.)

The course offers an interdisciplinary approach, combining physical science and professional English skills. This gives students the ability to both understand physics topics and communicate these topics effectively in a professional framework. The course provides students with the ability to participate in the world of science on a global scale and participate in international conferences. It is important in terms of following the developments in the scientific world and participating in the global scientific community.

Brief explanation of the course (theoretical lecture, applications, laboratory, studio, off-campus activity, using software, etc.)

The first part of the course provides students with an introduction to the content, objectives, and expectations of the course. At this stage, students are emphasized with the importance of developing their professional English skills and physics subjects. The course will be taught by writing and using visual technology.

External Stakeholder Opinions About the Course (It is expected that the opinions to be obtained from the business world that will employ your graduates or from real or legal persons outside the University who have expertise on the subject of the course will be specified. Proof documents must be attached to this form.)

Stakeholder Name	**Opinion** (It should be given as a summary, it should not exceed two lines.)

Weekly Course Content Distribution		
Week	**Theory**	**Application/Laboratory**
1	Course Description and Objectives	
2	Basic Concepts in Physics and Their English Equivalents	
3	Basic Conjunctions	
4	Introduction to Professional English and the Importance of Professional English	
5	Reading and Translation Techniques	
6	Aware Reading and Analysis	
7	Professional English for Movement and Force	
8	Newton's Laws of Motion	
9	Midterm Exam	
10	Basic Electrical Circuits	
11	Learning the topics of magnetism in English terms.	
12	Professional English Terms Related to Quantum Physics and translating.	
13	Emphasis on optics terms and technical terms	
14	Reading and Translation on Topics Related to the Field of Physics	
15	Finale	
16		

Assessment			
Evaluation Criteria	**Activity**	**Custom**	**Contribution to Success Grade (%)**
	Midterm Exams	1	40
	Quizzes		
	Assignments		
	Projects		
	Term Paper		
	Laboratory		
	Other		
	Final Exam	1	60
		Sum:	100
Remarks			

Content Design and Subject Weight (%)	Mathematics and Basic Sciences	80
	Engineering Sciences	20
	Social Sciences	
	Health Sciences	
	Educational Sciences	
	Culture and Art Sciences	
	Design Information	

Workload (ECTS) Calculation			
Events	**Number**	**Duration (Hours)**	**Total workload (Hours)**
Fieldwork			
Midterm Exam Application	1	2	2
Self-Study (including pre-class and exam preparation)	14	1	14
Make-up Exam			
Experiment and Observation			
Class Participation (Theory)	14	3	42
Homework			
Final Exam Practice	1	2	2
Laboratory			
Article Review	8	2	16
Writing an Article			
Reading			
Case Study			
Performance			
Problem Solution			
Project Preparation			
Project Submission			
Quiz			
Report Preparation			
Submitting Reports			
Role/Drama Work			
Seminar			
Oral Exam			
Team/Group Work			
Argument			
Application/Practice			
Other			
TOTAL WORKLOAD:			**76**
ECTS CREDİTS OF THE COURSE: *(The number obtained as a result of Total Workload/25 is calculated by rounding to the whole number.)*			**3**

The Relationship Between Course Learning Outcomes and Program Outcomes													
Program Outcomes (PO) / **Learning Outcomes (LO)** *(Course Outcomes)*		1	2	3	4	5	6	7	8	9	10	11	12
1	Use of professional knowledge of foreign languages	**5**	**4**	**4**	**3**	**3**	**5**	**5**	**3**	**5**	**5**	**1**	
2	Learning professional concepts and definitions	**5**	**4**	**4**	**3**	**3**	**5**	**5**	**3**	**5**	**5**	**1**	
3	Ability to translate and understand professional scientific publications	**5**	**4**	**4**	**3**	**3**	**5**	**5**	**3**	**5**	**5**	**1**	

Organizer: Prof. Dr. Niyazi BULUT
Preparation Date: 20.05.2024