

COURSE RECORD

Code	PREPD204
Name	English for Engineering
Hours per week	2
Credit Value	2
ECTS	3
Level/Year	English Prep.
Type	Compulsory (Dep.)
Prerequisites	PREPR100
Description	This course is compulsory for students of Electrical and Electronics, Industrial, Civil, and Mechanical Engineering, as well as of Materials Sciences. Students will learn, by remembering basic physics and chemistry they learned at school, to understand and make descriptions of physics and chemistry concepts in English. They will also learn words which are more generally useful in descriptions of science and technology.
Objectives	<ul style="list-style-type: none"> - Helping students to read short, authentic, texts in the fields of physical science, and technology; - Teaching discipline-specific vocabulary, and in doing so accustom students to the principle that the same word in English can have both an everyday sense and a very different discipline specific meaning; - Expanding students' general technical vocabulary; - Showing students how, within their departmental field specific field, to articulate basic ideas and facts with which they are already familiar in their first language, thus boosting both their English expression range and confidence, - Teaching students strategies for further, autonomous, English learning.
Learning Outcomes	By the end of English for Engineering students will be able to: LO1. understand simple subject-specific texts; LO2. interpret a larger general vocabulary; LO3. comprehend a larger discipline-specific vocabulary; LO4. make simple spoken sentences about topics from the fields of physical science, and technology; LO5. understand the importance of studying English autonomously.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
LO1	5	5	1	4	3	2	2	3	3	0	5	4
LO2	5	5	0	4	4	4	4	5	4	3	5	4
LO3	5	5	1	4	4	4	4	5	4	2	5	4
LO4	3	2	3	3	0	2	1	5	4	5	4	2
LO5	5	5	0	4	4	4	4	5	4	4	5	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

CONTRIBUTION TO INSTITUTIONAL LEARNING OUTCOMES

	ILO1	ILO2	ILO3	ILO4	ILO5	ILO6	ILO7
LO1.	5	2	2	2	4	5	0
LO2.	3	3	2	1	3	5	0
LO3.	5	4	2	2	4	5	0
LO4.	3	2	2	2	3	5	0
LO5.	2	2	2	2	2	5	0

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topics	Outcomes
Working scientifically	L01, L02, L03
Design cycles / Technical Vocabulary	L01, L02, L05
Advanced numbers (imaginary/complex/scientific form)	L05
Force and Motion / Matter / Energy, work and power	L01, L02, L04
Heat and Physical States / Electricity / Materials	L02, L03, L04
Processes	L01, L02, L05

DERS BİLGİLERİ

Kodu	PREPD204
İsmi	English for Engineering
Haftalık Saati	2
Kredi	2
AKTS	3
Seviye/Yıl	İngilizce Hazırlık
Dersin Dili	İngilizce
Tip	Zorunlu (Bölüm)
Ön Şart	PREPR100
İçerik	English for Engineering, Elektrik-Elektronik, Endüstri, İnşaat ve Makine Mühendisliği ile Malzeme Bilimleri öğrencileri için zorunludur. Öğrenciler, okulda öğrendikleri temel fizik ve kimyayı hatırlayarak, fizik ve kimya kavramlarını İngilizce olarak anlamayı ve tanımlamayı öğreneceklerdir. Ayrıca, genellikle daha çok bilim ve teknoloji tanımlarında kullanılan kelimeleri de öğreneceklerdir.