STUDY GUIDE

ENGLISH FOR SPECIFIC PURPOSES

Organised by

Poznan University of Technology

1. IDENTIFYING DATA.	
· **Course Name.**	English for Specific Purposes
· **Coordinating University.**	Poznan University of Technology
· **Partner Universities Involved.**	N/A
· **Course Field(s).**	Modern languages
· **Related Study Programme.**	*N/A*
· **ISCED Code.**	0231
· **SDG.**	https://sdgs.un.org/goals : 4, 17
· **Study Level.**	Master (M)
· **EUNICE Key Competencies**	https://projects.put.poznan.pl/Products/Files/DocEditor.aspx?fileid=22160 • Green - strongly • Orange- moderately • Red - partially • Blank cell - not at all

EUNICE Key Competencies		
	Problem solving	strongly
	Teamworking	moderately
	Communication	partially
	Self-management	strongly
	Cognitive flexibility	moderately
	Digital competence	partially
	Technical competence	partially
	Global intercultural competence	strongly

· **Number of ECTS credits allocated.**	2
· **Mode of Delivery.**	Online live and online self-study
· **Language of Instruction.**	English
· **Course Dates.**	March/April 2026 – morning or evening hours (between 8-10 am 6-8pm) available for week consultations and testing
· **Precise Schedule of the Lectures.**	2x45 min. online-live consultations, 1-45 min. online-live testing, 6x90 min. live-online classes The precise date are going to be defined at a later point of time.
· **Key Words.**	sustainable development, modern technology and materials, BIM
· **Catchy Phrase.**	"Science can amuse and fascinate us all, but it is engineering that changes the world." Isaac Asimov, American writer, professor of biochemistry

· **Prerequisites and co-requisites.**	B2 level of English, most preferably MA *EUNICE students; most preferably civil and architecture engineering faculties and related fields of studies*
· **Number of EUNICE students that can attend the Course.**	Total number 20 Eunice students
· **Course inscription procedure(s).**	Standard EUNICE procedure

2. CONTACT DETAILS.	
· **Department.**	Center of Languages and Communication at Poznan University of Technology
· **Name of Lecturer.**	Malgorzata Baczynska (MA), Joanna Liskowska-Sikora (MA)

· E-mail.	*małgorzata.baczynska@put.poznan.pl,* *joanna.liskowska@put.poznan.pl*
· Other Lecturers.	

3. COURSE CONTENT.

The course will touch upon the most updated engineering and related issues compatible with the idea of sustainable development, modern technologies and materials. The modules will concentrate on such ideas as disaster resilient structures and solutions, BIM, sustainable building and AI in construction.

4. LEARNING OUTCOMES.

The students acquire field-specific vocabulary.
The students are able to communicate effectively in writing in a field specific/professional area.
The students are able to adapt to new and changing circumstances, can define priorities for performing tasks assigned by themselves and other people, acting in the public interest. The students improve their ability to recognize and understand cultural differences in a scientific environment.
The students acquire basic skills to independently research and acquire field-specific terminology.
The students understand the main points of a clear and a relatively simple professional text of the field and are able to independently study with such texts.

5. OBJECTIVES.

Provide students with advanced knowledge of vocabulary in the field of engineering.
Improve students' reading comprehension and listening skills.
Acquaint students with field-specific terminology.
Develop writing skills related to the field.

6. COURSE ORGANISATION.

UNITS		
1.	**Disaster-Resilient Structures and Engineering Solutions**	
	• Vocabulary: earthquake-resistant, structural integrity, retrofitting	
	• Skills: Reading technical descriptions, explaining safety regulations, listening and speaking	
2.	**Building Information Modeling (BIM) and Digital Construction**	
	• Vocabulary: 3D modeling, data integration, clash detection	
	• Skills: Understanding technical documents, listening and speaking	
3.	**AI in Construction**	
	• **Vocabulary:** automation, machine learning, robotic bricklaying	
	• **Skills:** Listening to expert talks, discussing AI's role in construction efficiency	
4.	**Sustainable and Green Building Design**	
	• Vocabulary: renewable materials, carbon footprint, energy-efficient systems	
	• Skills: Reading case studies on eco-friendly buildings, discussing sustainability trends	
5.	**Innovative and Smart Materials in Construction**	
	• **Vocabulary:** self-healing concrete, aerogels, phase-change materials	
	• **Skills:** Reading research articles on cutting-edge materials, explaining technical processes	

LEARNING RESOURCES AND TOOLS.

Moodle, YouTube, TED and other educational media.

PLANNED LEARNING ACTIVITIES AND TEACHING METHODS.

Seeking method:
- task-based learning, problem-solving
Serving method:
- work based on source materials
Exposing method:
- *online test*

7. ASSESSMENT METHODS, CRITERIA AND PERIOD.

The knowledge acquired during the course will be verified by:
- vocabulary tasks
- forum comments
test - online test summarizing all 5 units; taken online; to take the test; required 51% on the test to pass

OBSERVATIONS.

8. BIBLIOGRAPHY AND TEACHING MATERIALS.

www.ted.com

https://www.altenergymag.com/tag/green-building-articles

https://hbr.org/2006/06/building-the-green-way

D. Spildova, M. Korbasova, 2020. New English for Civil Engineers. Publishing House of Bratislava Univeristy of Technology

English for Academics, Book 1. (2014). Cambridge University Press.

https://www.microsoft.com/en-us/industry/government/resources/smart-cities

Creating smart cities together | Smart Cities Marketplace (europa.eu)

www.twi-global.com

en.yeeply.com

www.euractiv.com

https://en.wikipedia.org/wiki/Smart_city

https://www.vttresearch.com/en/ourservices/smart-grids-and-energy-systems

https://www.youtube.com/watch?v=eiBiB4DaYOM

https://www.sciencedirect.com/science/article/pii/S0360544217308812
 https://www.businessfinland.fi/en/for-finnish-customers/services/programs/ended-programs/smart-energy-finland