

## COURSE SYLLABUS AND COURSE REQUIREMENTS

### ACADEMIC YEAR 2023/24 AUTUMN SEMESTER

<i>Course title</i>	<i>English for Environmental Protection</i>
<i>Course Code</i>	SZE077AN
<i>Hours/Week:</i>	2 seminars
<i>Credits</i>	2
<i>Degree Programme</i>	all
<i>Study Mode</i>	<i>full time</i>
<i>Requirements</i>	final course grade
<i>Teaching Period</i>	spring
<i>Prerequisites</i>	B1 and above
<i>Department(s)</i>	Centre for Foreign Languages for Technical Purposes
<i>Course Director</i>	Julia Torok
<i>Teaching Staff</i>	<i>Julia Torok</i>

## COURSE DESCRIPTION

English for Environmental Protection is a course designed for architecture and engineering students with intermediate knowledge of English. This course will focus on a selection of topics related to environmental protection, including climate change, energy resources, waste management, water management, sustainable transportation, and sustainable construction technologies. The course will utilize articles and videos as input materials, and students will be given individual tasks and will also work in groups. At the end of the course, students will give a presentation on an environmental problem in their own country. The course is designed to help students improve their English language skills while learning about important environmental issues.

## SYLLABUS

### 1. GOALS AND OBJECTIVES

The goals of the course are

to provide architecture and engineering students with intermediate knowledge of English with a deeper understanding of various environmental protection topics such as climate change, energy resources, waste management, water management, sustainable transportation, and sustainable construction technologies,

to improve students' English language comprehension skills through the use of articles and videos as input materials,

to give students the opportunity to work on individual tasks as well as in groups,

to help students develop the ability to present an environmental problem in their own country and

to create an awareness of environmental issues and promote sustainable practices.

## 2. COURSE CONTENT

### TOPICS

#### PRACTICE

1. Introduction to environmental issues - overview of global environmental challenges.
2. Natural systems, biodiversity, climate change – reasons and effects
3. Energy resources – renewables and non-renewables  
Energy resources – current problems and solutions
4. Sustainable architecture: passive solar design and green design solutions
5. Green construction technologies  
Building engineering services – energy efficient solutions
6. Waste management  
Waste disposal  
Hazardous waste  
Recycling and repurposing
7. Water use and pollution  
Water management  
Water quality
8. Sustainable transportation  
Energy efficient vehicles
9. Green technology  
Sustainable production and consumption

## DETAILED SYLLABUS AND COURSE SCHEDULE

### PRACTICE, LABORATORY PRACTICE

week	Topic	Compulsory reading	Required tasks	Completion date, due date
1.	Placement test		<a href="https://forms.gle/yX7MskAPXd1RFdrD8">https://forms.gle/yX7MskAPXd1RFdrD8</a>	14 September
2.	1. Introduction to environmental issues: overview of global environmental challenges.	Ecological footprint calculator <a href="https://www.footprintcalculator.org/home/en">https://www.footprintcalculator.org/home/en</a>  Environmental issues and useful expressions (handout)	Environmental issues in your country	21 September
3.	Natural systems, biodiversity Human activity and sustainability Climate change	Fairborne – a village in Wales (video + questions) home assignment	Signs of climate change	5 October
4.	MIK Partners' Day (no class)			
5.	Energy resources – renewables and non-renewables  Energy resources – current problems and solutions	Types of renewable energy: <a href="https://education.nationalgeographic.org/resource/renewable-resources">https://education.nationalgeographic.org/resource/renewable-resources</a>  <a href="https://education.nationalgeographic.org/resource/renewable-energy">https://education.nationalgeographic.org/resource/renewable-energy</a> Energy transformation (Samsung infographic – discussion)  7 ways to save energy (Infographic – discussion)	In-class assignment: completing a table about the energy sources used in your country -> Discussion  City of Heat (Reading comprehension)	12 October
6.	Sustainable architecture: passive solar design and green design solutions	Energy efficient home design worksheet	Words and definitions	19 October
7.	Green construction technologies	Modular homes (handout: links to videos and questions)  What does the future of sustainable buildings look like? <a href="https://www.ny-engineers.com/blog/what-does-the-future-of-sustainable-building-look-like-in-2023">https://www.ny-engineers.com/blog/what-does-the-future-of-sustainable-building-look-like-in-2023</a>  Building engineering services – energy efficient solutions Heat pumps: how do they work? (Handout: article and questions)	Homework: The future of cities (Reading comprehension)	26 October

8.	Waste management Waste disposal Hazardous waste  Recycling and repurposing	Total waste treatment in the EU in 2020 <a href="https://www.statista.com/statistics/1341013/european-union-total-waste-treatment-shares-by-method/">https://www.statista.com/statistics/1341013/european-union-total-waste-treatment-shares-by-method/</a>  Electronic and electrical waste in the EU (infographic)  What happens to rubbish <a href="https://cleanstreets.westminster.gov.uk/wp-content/uploads/Infographic-Main_3.gif">https://cleanstreets.westminster.gov.uk/wp-content/uploads/Infographic-Main_3.gif</a>	<b>Presentation slides to be submitted (through Teams Assignment)</b>  Waste management in your country	<b>2 November</b>
9.	Water use and pollution Water management Water quality	Water articles (handout)  Vanishing glaciers (handout with link to video and questions)		9 November
10.	Sustainable transportation Energy efficient vehicles	What are the most effective ways to get cars out of cities? (article with exercises)  Copenhagenisation (handout with link to video and questions)	The Scandinavian-Mediterranean corridor (video and questions)	16 November
11.	Green technology Sustainable production and consumption	Sustainable manufacturing Sustainable retail Sustainable agriculture (handout with article, link to video and questions)	Making the recommended changes to the final presentation slides	23 November
12.	Presentations	Scheduled presentations to be delivered		23 November
13.	Presentations	Scheduled presentations to be delivered		30 November

### 3. ASSESSMENT AND EVALUATION

#### ATTENDANCE

*In accordance with the Code of Studies and Examinations of the University of Pécs, Article 45 (2) and Annex 9. (Article 3) a student may be refused a grade or qualification in the given full-time course if the number of class absences exceeds 30% of the contact hours stipulated in the course description.*

#### **Method for monitoring attendance**

Attendance sheet

#### ASSESSMENT

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#### **Course resulting in mid-term grade (PTE TVSz 40§(3))**

#### **Mid-term assessments, performance evaluation and their ratio in the final grade**

Type	Assessment	Ratio in the final grade
Assignments	5 x 10 marks = 50 marks	30%
Presentation	60 marks	36 %
Class attendance and participation	11 x 5 = 55 marks	34 %

#### **Re-take exam and late assignment submission procedure and assessment**

Assignments are to be completed by the deadline. Late submissions will result in a 10% lower score.

The presentation slides must be submitted by the deadline. Late submission will result in a 20% lower score.

A doctor's certificate is required if the presentation is not delivered in the scheduled class (Week 14 or 15) due to illness. In this case the presentation can be done after Week 15.

#### **Grade calculation as a percentage**

*based on the aggregate performance according to the following table*

Course grade	Performance in %
excellent (5)	85 % ...
good (4)	70 % ... 84 %
satisfactory (3)	55 % ... 69 %
pass (2)	40 % ... 54 %
fail (1)	below 40 %

### 4. SPECIFIED LITERATURE

#### COMPULSORY READING AND AVAILABILITY

All course handouts are available in the Teams folder of the course (by week).