

Pt aviz CA și aprobare SUC
Prorector MA
July

CURRICULUM

Minor in Sustainability (Certificate in Sustainability)

Auxex 20

H.S. 28/30.10.2025

Valid from academic year 2025-2026

UNIVERSITY OF ORADEA

Faculty of Energy Engineering and Industrial Management (within EU GREEN framework)

Name of the program: Minor in Sustainability (Certificate in Sustainability)

Type of study program: Facultative

Level of study: Flexible over the 1st Cycle (Undergraduate)

ISCED field(s) of study - Transversal

Degree awarded: Certificate

Number of ECTS: 24

Duration: over 3 years (flexible)

Entry conditions and selection procedures: any student enrolled in a degree programme in one of the partner EU GREEN Universities

Selection Criteria: First Come First Serve Basis + Priority to students with highest number of completed ECTS + Motivation letter

Place(s) where the Study Programme will be taught: Across all EU GREEN Partner Universities (Pilot with Parma, Evora, Gävle, Oradea and Wroclaw)

Expected number of students: 30 for the Pilot

Delivery per year: Once per year

Pt DAC - rap audiere
internă.

Prorector MA

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SCURTĂ PREZENTARE A PROGRAMULUI DE STUDII FACULTATIV

„MINOR IN SUSTAINABILITY (CERTIFICATE IN SUSTAINABILITY)”

Programul de studii facultativ **Minor in Sustainability** este un program complementar de specializare, oferit în cadrul Alianței EU Green și adresat studenților tuturor universităților membre. Programul debutează în semestrul 2 și se derulează pe durata a 4 semestre / 24 de credite ECTS, cuprinzând 4 discipline, astfel:

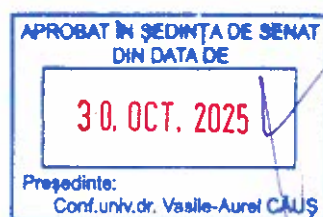
- două discipline obligatorii, comune la nivelul Alianței (Core Mandatory Unit 1 și Core Mandatory Unit 2). Evaluarea pentru prima disciplină obligatorie se va realiza la nivelul Alianței. Evaluarea la a doua disciplină obligatorie se va realiza la nivel local și poate fi echivalată cu un program de tip BIP sau un program scurt având 6 credite ECTS, la decizia comisiei locale;
- două discipline opționale, pe care studenții le pot selecta dintre disciplinele prevăzute în Curriculum, atât dintre cele oferite la nivelul Universității din Oradea (predate fie în limba engleză, fie în limba română cu asistență în limba engleză), cât și dintre cele oferite în limba engleză de către universitățile partenere. Evaluarea se va realiza conform cerințelor fiecărei discipline alese.

La nivelul Universității din Oradea, programul se desfășoară începând cu anul universitar 2025/2026, semestrul 2, sub forma unui proiect pilot.

Înmatricularea studenților, gestionarea activității acestora și eliberarea certificatului de absolvire se realizează de către Facultatea de Inginerie Energetică și Management Industrial.

Condiții de înscriere: Se pot înscrie studenți de la ciclul de licență, începând cu anul I de studii, de la orice program de studii. Numărul maxim de studenți pentru proiectul pilot este de 30 (la nivelul Alianței EU Green). Selecția candidaților se va realiza pe principiul „primul venit - primul servit”, acordându-se prioritate studenților cu cel mai mare număr de credite ECTS acumulate la momentul înmatriculării în programul Minor in Sustainability (studenții din anii mari au prioritate). La înscriere, candidații vor include în dosarul de admitere o scrisoare de motivație și o adeverință din care să rezulte calitatea de student înmatriculat la ciclul de licență în cadrul Universității din Oradea, anul de studii și numărul de credite ECTS acumulate.

La finalizarea programului, absolvenții vor primi un certificat de absolvire, iar disciplinele studiate vor fi înscrise în suplimentul la diplomă.



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**Valid from academic year
2025-2026**

1. MISSION OF THE STUDY PROGRAMME

The Minor in Sustainability complements existing bachelor programs at the EU GREEN partner universities by allowing students to holistically explore sustainability concepts and practices. By incorporating the Minor in Sustainability within various fields of study, students can understand how their disciplines intersect with environmental, social, and economic issues. This integration is crucial for preparing graduates equipped to address sustainability's complex challenges in their future careers. This interdisciplinary approach, therefore, encourages collaboration and the exchange of ideas, allowing students to tackle sustainability challenges from multiple perspectives. Students can work on and/or develop innovative solutions that draw on their unique skills and knowledge by working with peers from different educational backgrounds and fostering global citizenship. Engaging with context-based, real-world sustainability challenges within and beyond Europe allows them to apply theoretical knowledge in practical settings, enhancing their critical thinking and problem-solving skills. This holistic, interdisciplinary, and collective approach deepens their understanding of sustainability issues and empowers them to contribute to positive change within their communities and beyond actively.

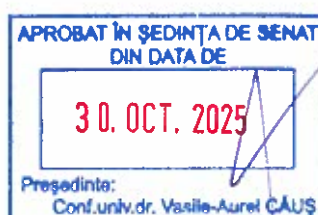
2. OBJECTIVES OF THE STUDY PROGRAMME

- (a) To use their disciplinary skills and engage in interdisciplinary collaboration to explore potential solutions for sustainability challenges, such as climate change, biodiversity loss, food security, water management, migrations and integration, democracy, and human rights.
- (b) To apply key sustainability competencies such as critical and systems thinking, complex problem solving, active citizenship, supporting and promoting justice and equity in planning, implementation, and integration of sustainability strategies, activities, projects, and policies

3. INTENDED LEARNING OUTCOMES:

After completing the Minor in Sustainability, students will be able to:

- Apply sustainability values (such as integrity, fairness, stewardship) and ethics in assessing sustainability issues and in crafting sustainability visions related to socio-ecological systems
- Deal with sustainability issues by embracing complex systems and critical thinking at various levels (local to global) and across different domains (environmental, social, and economic).
- Engage and act in collaborative teamwork



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4. GENERAL STRUCTURE

Year/Semester in the study plan	Curricular Unit	Field of study	Total working hours	Total contact hours	ECTS	HEI(s) that delivers	Mode of delivery	Language(s) of instruction	Mandatory /optional
Semester 2	An introduction to Sustainability Studies: Concepts and Principles	Transversal	150	12-15	6	Joint	Online (Syn & Asyns)	English	Mandatory
Depends * (After the Mandatory Unit 1)	Project Work	Transversal	150	12-15	6	Joint Depends*	Blended	English (With translation)	Mandatory
Depends*	Elective 1 From Possible Electives for Minor Sustainability (See the list)	At least one of the pillars	Depends*	Depends*	Depends*	Depends*	Face-to-face or Online	One of the languages from the Alliance	Elective
Depends*	Elective 2 Possible Electives for Minor Sustainability (See the list)	At least one of the pillars	Depends*	Depends*	Depends*	Depends*	Face-to-face or Online	One of the languages from the alliance	Elective

*Depends on who is offering and when the course is being offered

Note. One credit point requires a total of 25 hours of study.

Core (Mandatory) Units (12 ECTS)	Elective Units (12 ECTS)
Unit 1 One new mandatory interdisciplinary (Transversal) lecture in sustainable development (online with subtitles for plurilingualism – at least four languages) – 6 ECTS (150 Hrs): Sustainable Development: Concepts and Principles Format: asynchronized learning with online exercises and tasks to be made. Unit 2 A project-based focused on collaborative work where students work in interdisciplinary teams in sustainability challenges – 6 ECTS (150 Hrs) Students can also choose a BIP or a short-study program with 6 ECTS (Subject to the approval of the Local Commission).	Unit 3 and Unit 4 Select from two existing courses (To choose from a list made by each university in three pillars: Environmental, Economic, Social)



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5. STRUCTURE – MANDATORY UNITS

Core Mandatory Unit 1

Title: An introduction to Sustainability Studies: concepts and principles (6 ECTS -150 hrs)

Delivery: As from Semester 2 of the First Year

Intended Learning Outcomes: At the end of the study, students will be able to:

- (a) Understand the key concepts and principles of sustainability from the different dimensions (Environmental, Economic, Social/ Cultural/Political)
- (b) Critically analyse and review the concept of sustainability from different disciplinary perspectives
- (c) Connect local with global dimensions of different sustainability challenges
- (d) Apply knowledge of the key concepts and principles to support transformational policies and practices

Course contents:

Part 1: (Lecture - 1h) **Introduction to the course** (objectives, methodologies, contents, and assessment tasks with the Minor in Sustainability)

Part 2: (Lecture + Activities) **Sustainable Development: An Introduction (history and development of concept and principles)**

Part 3: (Lecture + Activities) **Ethical principles and policies of SD (local and global)**

Part 4: (Lecture + Activities) **The concept of sustainability from different contexts (local, global) and disciplinary perspectives**

Part 5: (Lecture + Activities) **Sustainability: Challenges and Constraints**

Part 6: (Online debate – 2h) **Sustainability in action: case studies and practices**

Part 7: (Lecture 2h) **Transformational practices and policies in sustainability**

Assessment:

- **Formative:** direct methods = Requires students to display their knowledge and skills as they respond to the assessment instruments (tests, essays, presentations, etc.) in the sub-units
- **Summative:** Students elaborate on and orally present a Roadmap based on learning from different contents (Part 1-7 above)

Grading: Percentage (To be converted to local scales)

Prerequisites: Good English language proficiency

Attendance is mandatory. Students who have more than 20% absence will not be admitted to the final exam (credit acquisition).

Examination management: A team from the Minor in Sustainability working group as assessors/examiners



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Core Mandatory Unit 2

Title: Project Work (6 ECTS -150 hrs)

Co-ordinators: Local Commission on Minor in Sustainability

A brief description of a project work

Project work consists of collaborative work where students work in interdisciplinary teams to approach sustainability challenges. Students can propose to work on a project related to one of the followings:

- Blended Intensive Programmes (as a project work for the Minor in Sustainability)
- Design of action-oriented mini-project or a case study – using the lens of sustainability
- Other options/formats approved by the Local Commission on Minor in Sustainability

Delivery: As from the First Semester of the Second Year

Intended Learning Outcomes: After completing this unit, learners will be able to:

1. Use knowledge and modes of inquiry from interdisciplinary approaches to address sustainability problems or challenges (social, economic, ecological, cultural and political)
2. Identify relevant aspects and stakeholders (political, social, economic) at a different level (local community, regional, global) to create inclusive visions for a more sustainable future
3. Reflect on personal awareness and envisioning actions for sustainable futures

Process: Tutorials & Support

During First 3 Weeks – 1-2 Seminar/s focused on graduate attributes + Group work and group dynamics and relationship building (Topics – System-thinking, Critical thinking, etc)

- Milestones with deliverables at different points during the semester (Example – Project Idea Plan, Collaboration Plan, Project Milestones, Project Implementation, Project Reporting)
- Invitation to students for calls for collaboration
- Different options /Streams for the project work

Assessment: Written Report and Oral Presentation on personal learning experiences based on learning outcomes 1,2, and 3.

Grading: Percentage (To be converted to local scales)

Examination management: Local Commission on the Minor in Sustainability



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6. STRUCTURE _ ELECTIVE UNITS

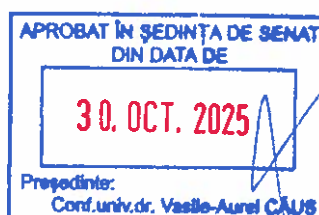
6.1. Elective units for the "Minor in Sustainability" offered by the University of Oradea

Odd semester

Curricular unit / Faculty	ECTS	Pillar/Field of study	Language of teaching	Type of teaching
Sustainable development and businesses / Faculty of Economic Sciences	6	Economic	English	On-site/ Online
Managementul sustenabil al apei (Sustainable water management) / Faculty of Environmental Protection	6	Environmental	Romanian / English	On-site/ Online
Quality, sustainability and social responsibility (Calitate, sustenabilitate si responsabilitate socială) / Faculty of History, International Relations, Political Sciences and Communication Sciences	6	Social	Romanian / English	On-site/ Online

Even semester

Curricular unit / Faculty	ECTS	Pillar/Field of study	Language of teaching	Type of teaching
Business Ethics / Faculty of Economic Sciences	6	Economic	English	On-site/ Online
Energetică generală și conversia energiei (Fundamentals of energy engineering and energy conversion) / Faculty of Energy Engineering and Industrial Management	6	Energy	Romanian / English	On-site/ Online
Noțiuni de e.administrație și metode de documentare (E-administration concepts and documentation methods)/ Faculty of Law	6	Social	Romanian / English	On-site/ Online



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6.2. Elective units for the "Minor in Sustainability" offered by other universities within EUGREEN (offered in English)

6.2.1. University of Evora (Portugal)

Curricular Unit	ECTS	Pillar/Field of study	Language (PT/EN)	Type of teaching
Decision and Negotiation Analysis	6	Economic, Social	PT/EN	In-presence (PT)/ Online (EN)
Environmental and Natural Resource Economics	6	Environmental, Social, Economic, Political	PT/EN	In-presence
Development Economics	6	Environmental, Economic, Political	PT/EN	In-presence
Citizenship and Education	3	Social, Cultural, Environmental, Political	PT/EN	In-presence (PT)/ Online (EN)
Entrepreneurship and Innovation	6	Economic, Social	PT/EN	In-presence
Public Space and Educating City	6	Cultural, Political	PT/EN	In-presence (PT)/ Online (EN)
Creativity Expression	3	Social and Cultural	PT/EN	In-presence
Introduction to Management and Entrepreneurship	6	Cultural, Social	PT/EN	In-presence (PT)/ Online (EN)
Introduction to Plant Protection	6	Environmental	PT/EN	In-presence (PT)/ Online (EN)
Microbiology	6	Environmental	PT/EN	In-presence (PT)/ Online (EN)
Performance	6	Environmental, Social, Cultural, Political	PT/EN	In-presence
Intervention Projects in Non-Formal Educational Contexts	6	Social, Cultural, Environmental, Political	PT/EN	In-presence (PT)/ Online (EN)
Theatre and Contexts	3	Environmental, Social, Cultural, Political	PT/EN	In-presence
Theory of Games Applied to International Relations	6	Environmental, Economic, Political	PT/EN	In-presence (PT)/ Online (EN)
Values, culture and Ethics	6	Cultural, Political	PT/EN	In-presence (PT)/ Online (EN)



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6.2.2. University of Gavle (Sweden)

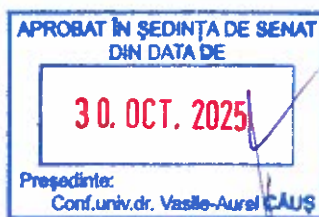
Odd semester

Curricular unit	ECTS	Pillar/Field of study	Language of teaching	Type of teaching
Sustainability in Nordic Ecosystems	7.5	Biology	English	Normal teaching / distance learning

More info: www.hig.se.url

6.2.3. University of Parma

Curricular unit	ECTS	Pillar/Field of study	Language of teaching	Type of teaching
Integrated analysis of aquatic ecosystems for management and restoration programs	6	Science and technology	English	On-site/ Online
Nature-based solutions for the ecological transition of urban-and agro-ecosystems	3	Science and technology	English	On-site/ Online
Geomaterials for sustainability	6	Functional and Sustainable Materials	English	On-site/ Online
Plant-based sustainable materials	6	Functional and Sustainable Materials	English	On-site/ Online
Sustainable Polymeric Materials	6	Functional and Sustainable Materials	English	On-site/ Online
Environmental Economics and Policy	6	Economics and Business (IBD LM)	English	On-site/ Online
Environmental Economics and Policy	6	Economics and Business (EMSAS LM)	English	On-site/ Online



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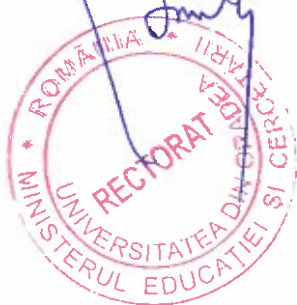
Degree awarded: Certificate

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6.2.4. Wroclaw University of Environmental and Life Sciences

Curricular unit	ECTS	Pillar/Field of study	Language	Type of teaching
Ecology	3	Ecology	English	lectures - online; laboratory classes - face to face
Natural resources and their exploitation	3	Ecology	English	lectures - online; laboratory classes - face to face
Nature conservation	3	Ecology	English	lectures - online; laboratory classes: - face to face
Soil resources - characteristics and classification	4	Ecology	English	lectures - online; laboratory classes - face to face
Global environmental problems and sustainable development	4	Ecology	English	lectures - online; laboratory classes - face to face and online

RECTOR,
Professor habil. Constantin BUNGĂU



DEAN,
Associate Professor Cristina HORA, Ph.D.





**UNIVERSITATEA
DIN ORADEA**

**UNIVERSITATEA DIN ORADEA
DEPARTAMENTUL PENTRU
ASIGURAREA CALITĂȚII
Intrări / ieșiri**

Nr. 392 din 29.10.2025



Anexa _02.a

**FIȘA DE AUDIT INTERN
pentru programele de studii Licență/Master/Doctorat/
Planuri de învățământ**

Denumirea programului de studii: Minor in Sustainability (Certificate in Sustainability)

Nivelul (licență / master/doctorat): Flexibil pentru Ciclu I

Domeniul de studii: Transversal

Facultatea/Școala Doctorală: IEMI (sub auspiciile Alianței EU GREEN)

Tipul evaluării (AP/A/EP): AP

Forma de învățământ: IF/ID/IFR:

I. Neconformități constatate:

1. La cerințele normative	
2. La standarde și indicatori de performanță	

II. Evidențieri (dacă este cazul):

1. Indicatori de referință

III: Recomandări:

Acordarea unei atenții deosebite numărului de credite propuse la disciplinele pe care studentul le alege, astfel încât totalul la finalizare sa fie 24 credite, așa cum se propune

Data _____

Membrii CMAI
Prof.univ.dr. habil Madela Abrudan

Semnătura

Prof.univ.dr.habil Karla Barth



Persoana de contact
Conf.univ.dr. Cristina Hora

Observații

Semnătura

Comisia de arbitraj (dacă este cazul)