SEA-EU micro credential course sheet

Course offers for the SEA-EU micro-credential Programmes on Future Skills or Sustainability Studies

General Information

Course Title	**Code**
The circular Economy approaches. Evaluation and conception of the circularity and its Impact on European Countries	
Course teacher	
Ana Cristina Pego, University of the Algarve	
Organiser/Contact person	
Ana Cristina Pego, University of the Algarve	
Credits (ECTS)	**Workload**
1	1 ECTS = 25 to 30 h Workload, including 6 contact hours and 19 self instructed learning
Language of instruction	
English and Portuguese (students can attend the course with knowledge of English or Portuguese language)	
Mode of provision	
☐ Physical attendance of students: 100% ☐ Physical attendance of students: partly required	☐ remote attendance possible X online 100%
Percentage of e-learning (0-100%)	
70%	
Short course description (for dissemination to students)	
The course will introduce the concept of the circular economy and its applicability in organisations. The capacity of using the circular economy and its model in European Societies will contribute to sustainable practices within society.	

Organisational Information

Course format/teaching and learning method (see SEA-EU list of teaching and learning methods)
Seminar
Max. number of participants
45
Course enrolment

Course application: https://studfeedback.uni-kiel.de/evasys/online.php?p=U4TC7 open until 23rd of February. After the deadline, you will receive a message from the teacher with all further information.
Course fees
None
Enrolment requirements
Study level ☐ Bachelor (level 6) x Master (level 7) ☐ PhD/Doctorate (level 8) Entry level of language proficiency: Other requirements:
Realisation period/dates for the course and link to the University's website for course information
Tuesdays 3./10./17./24. of March 2026, 17:00 WEST (1,5H) (18:00 to 19:30 CET) total hours: 6h
Other remarks
The course is also open for PhD Students

Learning Conditions

Course content
1- Introduction to the concept of the circular economy 2- The social and economic approach to circularity 3- How to evaluate the circular economy 4- The European Policy for the circular economy and the SDG 5- Study cases
Learning outcomes (knowledge, skills, attitudes)
Students can address the concept of circularity and develop competencies for evaluating it in the international context.
Student activities
Reading, research, reflection, collaboration, groupwork
Attendance policy
Assessment Methods (see SEA-EU list of assignments)
Portfolio
Grading
☐ graded x non-graded (pass/fail)
Study materials/Course literature
Pego, A. C. (2020). Circularity in Portugal: Features of New Business Challenges. In B. Nogalski, A. Szpitter, A. Jabłoski, & M. Jabłos.), *Networked Business Models in the Circular Economy* (pp. 224-240). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-7850-5.ch010

Pego, A. (2021). The Conceptual Model for Circularity in Portugal 2030.A Market Perspective. *Circular Economy and Sustainability Review*. IGI Global

Pego, A., Lourenço, J. (2024). An AI Analysis on the Circular Economy Value Chain: A Portuguese Perspective of Evaluation Business Models. In: Almeida, F.L., Morais, J.C., Santos, J.D. (eds) *Digital Sustainability: Inclusion and Transformation*. ISPGAYA 2022. Springer Proceedings in Earth and Environmental Sciences. Springer, Cham.

Linkage to SEA-EU micro-credential Programmes

Linked to micro-credential programme and category (choose only one category) (see Future Skills Framework or Sustainability Studies Framework)	
Future Skills Higher order thinking competences ☐ Self competences ☐ Social and communication competences ☐ Transformative competences ☐ Digital and media competences	x Sustainability Studies ☐ Sustainability as a concept x Sustainable economy ☐ Peace, justice and inclusion ☐ Life on land and in water ☐ Climate change ☐ Sustainable cities and local communities ☐ Industry and Innovation for Sustainability
Linked Competence(s)/Issue(s) in your chosen category you will provide with your teaching	
See below	

Future Skills Framework

Please choose only one meta category, you can choose one or more competences in the meta category

Meta category	Competences
Higher order thinking competences	☐ Adaptability competences ☐ Problem solving competences ☐ Critical and Systems thinking competences
Self competences	☐ Active Learning competences ☐ Self-awareness competences ☐ Complexity and ambiguity competences
Social and communication competences	☐ Collaboration and networking competences ☐ Communication competences ☐ Leadership competences

Transformative competences	☐ Entrepreneurship competences ☐ Citizenship competences ☐ Global awareness competences
Digital and media competences	☐ Data Literacy competences ☐ Media literacy competences ☐ Digital collaboration competences

For details and learning outcomes see SEA-EU micro-credentials Sustainability Studies Framework document

Sustainability Studies Framework

Please choose only one meta category, you can choose one or more issues in the meta category

Meta-category	Issues
Sustainability as a concept	☐ Key concepts and principles of sustainability ☐ Evolution of the concept of sustainable development ☐ Introduction to corporate sustainability ☐ Implementing sustainability
Sustainable economy	☐ Responsible and sustainable production and consumption ☐ Corporate Social Responsibility and decent work x Green, Circular and Blue Economy
Peace, justice and inclusion	☐ Resilience, Preparedness and Emergency Management ☐ Building equitable, inclusive societies ☐ Democracy and citizenship ☐ International and Environmental Law
Life on land and in water	☐ Sustainable food production ☐ Public health, poverty and well-being ☐ Biodiversity in ecosystems ☐ Hydrosphere, Oceans and Water Management

Climate change	☐ Consequences of climate change on the ocean ☐ Greenhouse effect ☐ Social, cultural and economic consequences of climate change
Sustainable cities and local communities	☐ Sustainable city planning ☐ People, Resources and Environment ☐ Sustainable tourism, travel and mobility ☐ Waste and recycling
Industry and Innovation for Sustainability	☐ Inclusive and sustainable innovation and industrialization ☐ Sustainable, innovative and resilient infrastructure development ☐ Clean Energy and Bioeconomy ☐ The sustainability of information and communication technology (ICT) including supply chains

For details and learning outcomes see SEA-EU micro-credentials Sustainability Studies Framework document