**SUBJECT/COURSE SYLLABUS\***

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|  | Course name in Polish and English  Recent trends in the circular economy.  Współczesne trendy gospodarce cyrkularnej | | |
|  | Scientific discipline  Earth and Environmental Sciences | | |
|  | Language of instruction English | | |
|  | Unit conducting the course  Faculty of Earth Sciences and Environmental Management, Institute of Geological Sciences: 1Department of Applied Geology, Geochemistry and Environmental Management, 2Department of Experimental Petrology | | |
|  | Type of course *(compulsory, elective)*  elective | | |
|  | Field of study (specialty): Environmental protection (Waste management)  USOS code: 76-OS-GO-S2-E4-fRTCE | | |
|  | Level of study *(first-cycle\*, second-cycle\*, long-cycle studies\*)* second-cycle | | |
|  | Year of study  II | | |
|  | Semester *(winter or summer)*  summer | | |
|  | Course form and number of hours:  Discussion section: 25  Co-ordination: 2dr hab. Anna Potysz prof. UWr  Teaching: 1dr Adriana Trojanowska-Olichwer, 2dr hab. Anna Potysz prof. UWr | | |
|  | Prerequisites in terms of knowledge, skills and social competences for the course  Prerequisites: knowledge, skills and social competences in the field of typical legal, economic and technological solutions in the field of waste management and their impact on the environment. | | |
|  | Learning objectives for the course  Presentation, analysis and discussion of new solutions and social trends in waste management and circular economy. | | |
|  | Curriculum content  Discussion section:  1. Circular economy as a business model minimizing raw material consumption and waste generation (definitions, implementation in various industries, benefits of the circular economy)  2. EU Green Deal and Circular Economy Strategy, Monitoring Plan and Tools, Implementation and Execution in Poland - Panel Discussion and/or Brainstorming 3. CSRD, Environmental Footprint (Carbon, Water etc.) - Tool Analysis  3. Case Study - Circular Projects: Business, Regional, Local etc.  5. Mobile Apps, Social Media and the Role of AI in the Circular Economy  6. Consumer Responsibility, the Role of Education in the Circular Economy - Project | | |
|  | Description of learning outcomes  W\_1. Knows the current trends in legal, economic, technological and social solutions in the circular economy.  W\_2 Is familiar with the planned changes in waste management in the country and Europe.  U\_1 Is able to critically analyze the functioning and evaluates existing/proposed solutions used in waste management and their impact on the environment  U\_2 Is able to analyze and argue legal conditions, economic mechanisms and the role of society in the circular economy.  K\_1 Is able to critically evaluate the knowledge they possess and the content they receive and recognizes the importance of knowledge in solving practical problems, in particular in the field of waste management and the circular economy.  K\_2 Is aware of the role of society in the implementation of the circular economy, both on a local scale and at the regional, national and European level  K\_3 Appreciates the importance of modern technologies, mobile applications and AI in creating and implementing the circular economy | Symbols for relevant directional learning outcomes  K\_W02 , K\_W07, K\_W10, K\_W13, K\_W16  K\_W10, K\_W11, K\_W13, K\_W16  K\_U05, K\_U06  K\_U06, K\_U07  K\_K01, K\_K02, K\_K03  K\_K01, K\_K03  K\_K05 | |
|  | Mandatory and recommended literature *(sources, studies, textbooks, etc.)*  Mendatory:  Circular Economy Action Plan <https://environment.ec.europa.eu/strategy/circular-economy-action-plan_en>  Reports EEA <https://www.eea.europa.eu/en/analysis/publications/accelerating-the-circular-economy>  European Circular Economy Stakeholder Platform <http://circulareconomy.europa.eu/platform/>  GLOBAL TRENDS 2040. A more contested world. National Intelligence Council, March 2021.4.  <https://www.dni.gov/files/ODNI/documents/assessments/GlobalTrends_2040.pdf>  U.S. Intelligence Community  Roland Berger. Trend Compendium 2050. Six megatrends that will shape the world. <https://iiamadras.org/trend-compendium-2050-six-megatrends-that-will-shape-the-world/>  Lorek, A. (2018). Znaczenie postaw i zachowań konsumentów w kształtowaniu gospodarki obiegu zamkniętego (eng. The importance of consumer attitudes and behaviors in shaping the circular economy). Research Papers of the Wroclaw University of Economics Prace Naukowe Uniwersytetu Ekonomicznego we Wroclawiu, (533).  Recommended: Legal acts (acts, regulations, directives) adopted, coming into force and draft legal acts concerning waste management and the circular economy. Research publications on trends in circular economy. | | |
|  | Methods of verification of the assumed learning outcomes:  e.g.  preparing and delivering presentations, being active during discussions and carrying out group work, keeping a reflection diary (K\_W02 , K\_W07, K\_W10, K\_W11, K\_W13, K\_W16, K\_U05, K\_U06, K\_U06, K\_U07, K\_K01, K\_K02, K\_K03, K\_K05) | | |
|  | Conditions and form of credit for individual components of the course:  e.g.  - continuous analysis of attendance at classes,  - preparation and assessment of one presentation  - activity during classes  - keeping a journal of reflections | | |
|  | Student workload expressed in teaching hours and ECTS credits | | number of hours allocated for the course of a given type of classes |
| classes (according to the study plan) with the instructor:  - seminar: 25 | | 25 |
| student's own work (including participation in group work) e.g.:  - preparation for classes: 5  - reading the indicated literature: 10  - preparation of a presentation, a journal of reflections: 10 | | 25 |
| Total number of class hours | | 50 |
| Number of ECTS credits *(if required*) | | 2 |