**SUBJECT/COURSE SYLLABUS\***

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|  | Course name in Polish and English  Current problems in waste management  Problematyka gospodarki odpadami | | |
|  | Scientific discipline  Earth and Environmental Sciences | | |
|  | Language of instruction  English | | |
|  | Unit conducting the course  WNZKS, Institute of Geological Sciences, 1Department of Experimental Petrology,  WPAiE, Institute of Administrative Sciences, 2Department of Comparative Public Administration | | |
|  | Type of course *(compulsory, elective)*  elective | | |
|  | Field of study (specialty)\*  Environmental Protection (Waste Management)  USOS code: 76-OS-GO-S2-E3-CPWM | | |
|  | Level of study *(first-cycle\*, second-cycle\*, long-cycle studies\*)*  second-cycle | | |
|  | Year of study  II | | |
|  | Semester *(winter or summer)*  winter | | |
|  | Course form and number of hours  Seminar: 30  Coordinator: 1dr hab. prof. UWr, Anna Potysz  Teacher conducting seminar: 1dr hab. prof. UWr, Anna Potysz, 2dr hab. prof. UWr, Magdalena Tabernacka | | |
|  | Prerequisites in terms of knowledge, skills and social competences for the course  The student should demonstrate an understanding of the principles of effective material and information collection, as well as the ability to creatively apply acquired specialist knowledge to develop original and reliable (i.e., scientifically accurate) research studies. | | |
|  | Learning objectives for the course  Introducing students to the classification of waste, including municipal, industrial, hazardous, and biological waste, along with their characteristics and management procedures. Developing students' understanding of the principles of the circular economy, analyzing technological processes in waste management, and familiarizing them with the latest trends and innovations in the field.  Familiarizing students with professional literature and enabling them to independently conduct literature studies and prepare professional presentations on selected scientific topics. Deepening specialist knowledge and developing key competencies necessary for effectively solving complex problems related to waste management. | | |
|  | Curriculum content  Seminar:  After completing the course, the student should have knowledge in the field of reporting and scientific discussion on the undertaken topic (research problem).  Correction of scientific and substantive errors and acquisition of correct attitudes related to:  - planning one's own observations  - collecting, analyzing and interpreting literature data  - presenting and discussing results  - the method of verifying information available in the literature  - the method of using the literature | | |
|  | Description of the learning outcomes:  W\_1 - knows the general assumptions of scientific texts preparation, writing essays, reports, literature reviews, presenting papers and writing a diploma thesis;  W\_2 - presents the current state of knowledge on selected environmental problems related to own master's thesis topic;  U\_1 – reads with understanding literature on environmental protection in Polish and English  U\_2 - reports on scientific works related to his/her master's thesis;  K\_1 - is able to obtain literature in Polish and English from various sources, including the online sources  K\_2 - critically evaluates and verifies the literature sources related to his/her master's thesis. | Symbols for relevant directional learning outcomes, *e.g.:*  K\_ W04, K\_W15  K\_W01, K\_ W02, K\_W03, K\_ W10, K\_W11, K\_W12  K\_ U01, K\_ U03,K\_U04, K\_ U05, K\_ U07  K\_ U01, K\_ U03,K\_U04, K\_ U05, K\_ U07  K\_ K01, K\_ K02, K\_ K05, K\_ K06  K\_ K01, K\_ K02, K\_ K05, K\_ K06 | |
|  | Mandatory and recommended literature *(sources, studies, textbooks, etc.)*  Mandatory literature:  Global scientific works from the ISI list (a consortium of Elsevier, Springer and Wiley), local literature necessary to carry out scientific reviews (legal studies and expert opinions, maps, studies, scripts, WIOŚ, IMWM databases, HYDRO bank).  Recommended literature:  Technika pisania i prezentowania przyrodniczych prac naukowych. Przewodnik praktyczny. Wydanie: czwarte zmienione. PWN (copyright 2009): 156 ss.  (eng. *Technique of writing and presenting scientific papers in natural sciences. Practical guide*) | | |
|  | Methods of verification of the assumed learning outcomes:  e.g.  - preparation of a presentation (multimedia, PowerPoint), oral presentation and participation in the discussion (K\_W01, K\_ W02, K\_W03, K\_ W04, K\_ W10, K\_W11, K\_W12K\_W15, K\_ U01, K\_ U03, K\_U04, K\_ U05, K\_ U07, K\_ K01, K\_ K02, K\_ K05, K\_ K06) | | |
|  | Conditions and form of credit for individual components of the course:  - to obtain a minimum satisfactory grade (3.0), students must deliver an individual oral presentation on a topic assigned by the seminar instructors or chosen from a pool of topics proposed by them. The presentation should include a work plan, objectives, hypothesis, and library research on the assigned topic. Additionally, participation in the discussion is required.  Attendance at seminars is mandatory, with the possibility of making up for absences during consultations. | | |
|  | 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: 30  - consultation: 5 | | 35 |
| student's own work (including participation in group work) e.g.:  - preparation for classes: 2  - reading the literature indicated: 3  - preparation of papers/presentations/projects: 10 | | 15 |
| Total number of class hours | | 50 |
| Number of ECTS credits *(if required*) | | 2 |