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| To be filled in by the Field of Study Committee | Module (course block) name: **DIRECTIONAL SUBJECTS** | | | | | | | | | | Module code: E | | | |
| Course name: **ECONOMICS OF THE ENVIRONMENT PROTECTION AND NATURAL RESOURCES** | | | | | | | | | | Course code: 46.3. | | | |
| Organisational Unit conducting the course/module: **INSTITUTE OF ECONOMICS** | | | | | | | | | | | | | |
| Field of study: **Administration** | | | | | | | | | | | | | |
| Mode of study:**FULL-TIME** | | | | Study profile:**PRACTICAL** | | | | | | Mode of study:**AS** | | | |
| Year / semester:  **III/V** | | | | Course/module status:  **OPTIONAL** | | | | | | Course/module language:  **POLISH/ENGLISH** | | | |
| Form of tuition | | lecture | | class | | | laboratory | project | | seminar | | | other (please, specify) |
| Course load (hrs) | |  | | **30** | | |  |  | |  | | |  |
| Module/course coordinator | | | | | PhD eng. Marcin Bukowski | | | | | | | | | |
| Lecturer | | | | | PhD eng. Marcin Bukowski | | | | | | | | | |
| Course/module objectives | | | | | Presentation of the basic concepts and focus areas of environmental economics. Indication the basic problems related to the valuation of environmental services and sustainable development issues. | | | | | | | | | |
| Entry requirements | | | | | no requirements | | | | | | | | | |
| **LEARNING OUTCOMES** | | | | | | | | | | | | | | |
| No. | | Learning outcome description | | | | | | | | | | | | Reference to the learning outcomes for Field of Study |
| 01 | | Student has knowledge about the role and importance of the natural environment as well as the sustainable development and preservation of biodiversity | | | | | | | | | | | | K1P\_W03  K1P\_W04 |
| 02 | | Student knows the basic national and international laws regarding environmental protection | | | | | | | | | | | | K1P\_W07 |
| 03 | | Student identifies and analyzes phenomena that affect the state of the natural environment and natural resources, and demonstrates knowledge of the use of typical techniques and their optimization adapted to the spatial development. | | | | | | | | | | | | K1P\_U01  K1P\_U16 |
| 04 | | Student has the ability to take standard actions, using appropriate methods, techniques, technologies, tools and materials, solving problems in the field of the natural environment and natural resources | | | | | | | | | | | | K1P\_U08 |
| 05 | | Student is aware of the importance and understands effects of activities, including its impact on the environment and the related responsibility for decisions. | | | | | | | | | | | | K1P\_K07 |
| **CURRICULUM CONTENTS** | | | | | | | | | | | | | | |
| **Classes** | | | | | | | | | | | | | | |
| Object of study and explanation of basic concepts of economics of the environment protection; The differences between traditional economics, ecological economics and sustainable development economic; The ecological crisis as a challenge to the modern world; Environmental management problems; Environmental policy; Environmental valuation methods; Economic and social effects of pollution, environmental financing; Tax Pigou and Coase theorem; Ecological policy and its instruments. Environmental protection in the enterprise. | | | | | | | | | | | | | | |
| Basic literature | | | | 1. Manteuffel-Szoege, H. Problems of Environmental and Natural Resources Economics; Wydawnictwo SGGW: Warszawa, 2013; 2. Perman R., Ma Y., McGilvray J., Common M. Natural Resource and Environmental Economics; Pearson Education Limited, 2003; | | | | | | | | | | |
| Supplementary literature | | | | 1. Miłaszewski, R. Economic efficiency of investments in water and sewage management and water protection. In Materials for Studying Water Supply and Water Pollution Control Economics; Wydawnictwo Ekonomia i Środowisko: Białystok, 2008. | | | | | | | | | | |
| Onsite teaching methods | | | | Lectures with multimedia presentation. Discussion about the selected problems in the field of environmental economics, an exchange of ideas allowing for the development of the ability to apply theoretical knowledge | | | | | | | | | | |
| Teaching methods including methods and techniques of remote teaching | | | | Not included | | | | | | | | | | |
| **Learning outcomes verification methods** | | | | | | | | | | | | | Learning outcome number | |
| Test | | | | | | | | | | | | | 01-03 | |
| Observation during discussion | | | | | | | | | | | | | 02-05 | |
| Form and terms of awarding credits | | | | | | Writing credits | | | | | | | | |
| STUDENT WORKLOAD | | | | | | | | | | | | | | |
| Type of activity/tuition | | | | | | | Number of hours | | | | | | | |
| Total | | | Activities related to practical professional preparation | | Participation in classes conducted with the use of methods and techniques of remote teaching | | |
| Participation in lectures | | | | | | |  | | |  | |  | | |
| Independent study of lecture topics | | | | | | |  | | |  | |  | | |
| Participation in classes and laboratories | | | | | | | 30 | | | 20 | |  | | |
| Independent preparation for classes | | | | | | | 90 | | | 50 | |  | | |
| Preparation of projects/essays/etc. | | | | | | |  | | |  | |  | | |
| Preparation for examination/credit awarding test | | | | | | | 30 | | | 5 | |  | | |
| Participation in consultation hours | | | | | | | 2 | | |  | |  | | |
| Other | | | | | | |  | | |  | |  | | |
| **TOTAL student workload in hours** | | | | | | | 152 | | | 75 | | 0 | | |
| **Number of ECTS credits for the course** | | | | | | | **6** | | | | | | | |
| **Number of ECTS credits ascribed to a scientific discipline** | | | | | | | **5 (political and administrative sciences)**  **1 (law sciences)** | | | | | | | |
| **Number of ECTS credits relevant to practical professional education** | | | | | | | 3 | | | | | | | |
| Number of ECTS credits relevant to remote education (tuition involving the use of methods and techniques of remote teaching) | | | | | | | 0 | | | | | | | |
| Number of ECTS credits for classes which require direct participation of lecturers | | | | | | | 1,3 | | | | | | | |