Jan Kochanowski University of Kielce

Academic year 2022/2023

Faculty of Natural Sciences

Institute of Geography and Environmental Sciences

Field of study: Environment Protection

Academic coordinator: Grzegorz Wałek

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| ENVIRONMENTAL PROTECTION | | | | | |
| Course unit | Przedmiot | Type | ECTS | Completion requirements | Academic hours per semester |
| WINTER SEMESTER (1) | | | | | |
| Ecotoxicology | Ekotoksykologia | lecture | 5 | non-graded credit | 30 |
| Ecotoxicology | Ekotoksykologia | laboratory |  | graded credit | 30 |
| Spatial planning | Planowanie przestrzenne | lecture | 4 | exam | 15 |
| Spatial planning | Planowanie przestrzenne | seminar |  | graded credit | 30 |
| Geographic information systems | GIS | lecture | 4 | graded credit | 15 |
| Geographic information systems | GIS | laboratory |  | graded credit | 30 |
| Microbiology | Mikrobiologia | laboratory | 3 | graded credit | 30 |
| Microbiology | Mikrobiologia | lecture | non-graded credit | 15 |
| Genetics and genetic engineering | Genetyka i inżynieria genetyczna | laboratory | 2 | graded credit | 15 |
| Genetics and genetic engineering | Genetyka i inżynieria genetyczna | lecture | non-graded credit | 15 |
| Process projects | Projekty procesowe | laboratory | 2 | graded credit | 15 |
| Process projects | Projekty procesowe | lecture | non-graded credit | 15 |
| Fundamentals of spatial development plan preparation | Podstawy sporządzania planu przestrzennego zagospodarowania | seminar | 3 | graded credit | 15 |
| Fundamentals of spatial development plan preparation | Podstawy sporządzania planu przestrzennego zagospodarowania | lecture | non-graded credit | 15 |
| Basis of biochemistry | Postawy biochemii | laboratory | 2 | graded credit | 15 |
| Basis of biochemistry | Postawy biochemii | lecture | non-graded credit | 15 |
| Atmospheric protection | Ochrona powietrza | laboratory | 3 | graded credit | 15 |
| Atmospheric protection | Ochrona powietrza | lecture | non-graded credit | 15 |
| information and communication technologies | Technologie informacyjno-komunikacyjne | laboratory | 1 | graded credit | 15 |
| Botany | Botanika | laboratory | 3 | graded credit | 15 |
| Botany | Botanika | lecture | non-graded credit | 15 |
| SUMMER SEMESTER (2) | | | | | |
| Ecology | Ekologia | laboratory | 4 | zo | 30 |
| Ecology | Ekologia | lecture | exam | 30 |
| Organic chemistry with elements of natural compounds chemistry | Chemia organiczna z elementami chemii związków naturalnych | lecture | 5 | exam | 30 |
| Organic chemistry with elements of natural compounds chemistry | Chemia organiczna z elementami chemii związków naturalnych | laboratory |  | graded credit | 30 |
| Chosen questions from geoekology | Wybrane zagadnienia z geoekologii | laboratory | 4 | graded credit | 30 |
| Chosen questions from geoekology | Wybrane zagadnienia z geoekologii | lecture |  | non-graded credit | 30 |
| Environment monitoring | Monitoring środowiska | seminar | 4 | graded credit | 15 |
| Environment monitoring | Monitoring środowiska | lecture | exam | 30 |
| Waste management | Gospodarowanie odpadami | seminar | 3 | graded credit | 15 |
| Waste management | Gospodarowanie odpadami | lecture | non-graded credit | 30 |
| Methods of Evaluation and Improvement  of the Environment | Metody oceny i waloryzacji środowiska | seminar | 5 | graded credit | 30 |
| Methods of Evaluation and Improvement  of the Environment | Metody oceny i waloryzacji środowiska | lecture | exam | 30 |
| Functioning of natural and anthropogenic geoecosystems in Góry Świętokrzyskie | Funkcjonowanie geoesystemów naturalnych i antropogenicznych w Górach Świętokrzyskich | field seminar | 2 | graded credit | 32 |
| Biopower technologies | Technologie bioenergetyczne | seminar | 2 | graded credit | 15 |
| Biopower technologies | Technologie bioenergetyczne | lecture | non-graded credit | 15 |