

DESCRIPTION OF THE COURSE OF STUDY

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|------------------------------|------------------------------|---|
| Course code | 0521.2.OŚ1.F15.FGNAGŚ | |
| Name of the course in | Polish | <i>Funkcjonowanie geosystemów naturalnych i antropogenicznych w Górach Świętokrzyskich - ĆT</i> |
| | English | Function of natural and anthropogenic geosystems in Świętokrzyskie Mountains |

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

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|---|------------------------------------|
| 1.1. Field of study | Environmental protection |
| 1.2. Mode of study | full-time studies |
| 1.3. Level of study | Bachelor's Degree |
| 1.4. Profile of study* | academic |
| 1.5. Person/s preparing the course description | Dr hab. Rafał Kozłowski, prof. UJK |
| 1.6. Contact | rafal.kozlowski@ujk.edu.pl |

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

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| 2.1. Language of instruction | Polish, English |
| 2.2. Prerequisites* | Basic knowledge of geomorphology, ecology, botany, soil sciences |

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

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|--------------------------------|---|---|
| 3.1. Form of classes | e.g. lectures, classes, (including e-learning), field exercises | |
| 3.2. Place of classes | Świętokrzyskie Mountains region | |
| 3.3. Form of assessment | Credit with grade | |
| 3.4. Teaching methods | Practical | |
| 3.5. Bibliography | Required reading | <p>Kozłowski R., 2013: <i>Funkcjonowanie wybranych geosystemów Polski w warunkach zróżnicowanej antropopresji na przykładzie gór niskich i pogórza</i>. Landform Analysis 23: 1-150.</p> <p>Maciak F., 2003: <i>Ochrona i rekultywacja środowiska</i>. SGGW Warszawa</p> <p>Maciejewska A., 2000: <i>Rekultywacja i ochrona środowiska w górnictwie odkrywkowym</i>, OW PW, Warszawa</p> |
| | Further reading | <p>Świerz A., (red.) 2010: <i>Monografia Chęcińsko-Kieleckiego Parku Krajobrazowego</i>, KTN, UJK, Kielce</p> <p>Zarzycki K., Szeląg Z., 2006: Red list of the vascular plants in Poland. – <i>W: Z. Mirek, K. Zarzycki, W. Wojewoda & Z. Szeląg (red.), Red list of plants and fungi in Poland. W. Szafer Institute of Botany, Polish Academy of Sciences, Kraków s. 9-20.</i></p> |

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

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| 4.1. Course objectives (including form of classes) |
| C1- familiarizing the student with the problems of the functioning of natural and anthropogenic ecosystems C2- developing the ability to work in the field and cooperation in a group C3 - development of observation and field research skills |
| 4.2. Detailed syllabus (including form of classes) |
| Others Field research methods. The phenomenon of invasion and expansion observed on the route of field exercises and their role in the functioning of natural and anthropogenic geosystems. Geological structure, characteristics and functions of selected geosites (including Czerwona Góra, Góra Rzepka, Góra Zelejowa, Jaskinia Raj, Kadzielnia, Wietrznia). The role of reclamation in shaping the environment. |

4.3 Intended learning outcomes

| Code | A student, who passed the course | Relation to learning outcomes |
|-------------|---|--------------------------------------|
| | within the scope of KNOWLEDGE: | |
| ...W01 | | OŚ1A-W01 |

| | | |
|---|--|----------|
| | explains the role of man in the functioning of natural and anthropogenic geoecosystems | |
| ...W02 | argues its own opinion on issues related to the protection and devastation of the environment | OŚ1A-W05 |
| within the scope of ABILITIES: | | |
| ...U01 | performs simple research and field observations correctly; | OŚ1A-U03 |
| ...U02 | presents his own point of view in the field of selected threats to the natural environment and its protection; | OŚ1A-U02 |
| within the scope of SOCIAL COMPETENCE: | | |
| ...K01 | is aware of the enormous impact of humans on the functioning of natural and anthropogenic geoecosystems; | OŚ1A-K01 |

| 4.4. Methods of assessment of the intended learning outcomes | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|---|-----|-----------------|---|-----|-----------------|---|-----|------------------|---|-----|-----------------|---|-----|-----------------|---|-----|---|---|-----|---|---|-----|
| Teaching outcomes (code) | Method of assessment (+/-) | | | | | | | | | | | | | | | | | | | | | | | |
| | Exam oral/written* | | | Test* | | | Project* | | | Effort in class* | | | Self-study* | | | Group work* | | | Others* e.g. standardized test used in e-learning | | | | | |
| | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | | | |
| | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... |
| ...W01 | | | | | | | | | | X | | | | | | | | | | | | | | |
| ...W02 | | | | | | | | | | X | | | | | | | | | | | | | | |
| ...U01 | | | | | | | | | | X | | | | | | | | | | | | | | |
| ...U02 | | | | | | | | | | X | | | | | | | | | | | | | | |
| ...K01 | | | | | | | | | | X | | | | | | | | | | | | | | |

*delete as appropriate

| 4.5. Criteria of assessment of the intended learning outcomes | | |
|---|-------|---|
| Form of classes | Grade | Criterion of assessment |
| lecture (L) (including e-learning) | 3 | |
| | 3,5 | |
| | 4 | |
| | 4,5 | |
| | 5 | |
| classes (C)* (including e-learning) | 3 | 51-60% the maximum number of points possible |
| | 3,5 | 61-70% the maximum number of points possible |
| | 4 | 71-80% the maximum number of points possible |
| | 4,5 | 81-90% the maximum number of points possible |
| | 5 | 91-100% the maximum number of points possible |
| others (...)* (including e-learning) | 3 | |
| | 3,5 | |
| | 4 | |
| | 4,5 | |
| | 5 | |

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

| Category | Student's workload | |
|--|--------------------|--------------------|
| | Full-time studies | Extramural studies |
| NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER | 32 | |

| | | |
|---|-----------|--|
| /CONTACT HOURS/ | | |
| <i>Participation in lectures*</i> | | |
| <i>Participation in classes, seminars, laboratories*</i> | 32 | |
| <i>Preparation in the exam/ final test*</i> | | |
| <i>Others (please specify e.g. e-learning)*</i> | | |
| INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/ | 18 | |
| <i>Preparation for the lecture*</i> | | |
| <i>Preparation for the classes, seminars, laboratories*</i> | | |
| <i>Preparation for the exam/test*</i> | | |
| <i>Gathering materials for the project/Internet query*</i> | | |
| <i>Preparation of multimedia presentation</i> | | |
| <i>Others *</i> | | |
| TOTAL NUMBER OF HOURS | 50 | |
| ECTS credits for the course of study | 2 | |

**delete as appropriate*

Accepted for execution (date and legible signatures of the teachers running the course in the given academic year)

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