

Course title: NATURAL RESOURCES GEOGRAPHY

ECTS credit allocation (and other scores): 3.5

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester:45

Course coordinator/ Department and e-mail: dr Monika Panfil, Department of Water Resources Climatology and Environmental Management, monika.panfil@uwm.edu.pl

Type of classes: classes and lectures

---

#### Substantive content

**CLASSES:** Development (graphics and text) of selected components of the geographical environment, social and economic situation of the world: raw material mineral resources and mining (energy resources and metal); unconventional energy sources, location, importance; climate change and water resources, the location of regions as a result of threats of rising sea levels and the occurrence of extreme hydrology and meteorology; water resources of water: the water balance of the continents, the water of the world's oceans, access to drinking water; formations, vegetable cultivation of selected plants; distribution of soils in the world, the structure of land use; demographic situation: the status and distribution of the population.

**LECTURES:** Classification of natural resources. Mineral resources. Mining. Energy in nature. Atmospheric pollution and climatic consequences. Water resources. Multifunctional water. Plant formations. Forest and its functions. Agricultural space. Forms of land use. Man and the environment. Population and demographic issues.

**Learning purpose:** Education awareness of the importance of resources and environmental value for the inhabitants of the Earth and the willingness to work for their protection. Awareness of the variety of negative and positive uses of the human resource environment. Training in critical thinking skills, participating in dialogue, including the presentation of his own position and his defence in relation to the policy pursued towards the natural potential in different parts of the world.

---

On completion of the study programme the graduate will gain:

**Knowledge:** The student has a wide range of factual knowledge of current problems of modernity and can distinguish and identify natural environmental resources. The student can explain the relationship between the ecological, economic and social spheres.

**Skills:** The student knows the ways of obtaining and processing information necessary for the performance of individual subjects in the form of written papers, using teamwork to evaluate the accuracy, credibility and logical consistency between the management of the environment and the economy and anthropogenic influences.

**Social Competencies:** The student is competent in individual and team creativity and is aware of the responsibility for the state of the environment in the context of existential issues of the modern world.

---

**Basic literature:** Feirla I. 2004. Repetytorium z geografii gospodarczej. PWE; Szlachta J. 1999. Niekonwencjonalne źródła energii. Wyd. AR Wrocław; Fierla I. 2000. Geografia gospodarcza świata. PWE.



Supplementary literature: -

---

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 1.81 ECTS points

Student's independent work: 1.69 ECTS points