

Course title: FIELD TRAINING: NATURAL INVENTORIES OF SELECTED AREAS

ECTS credit allocation (and other scores): 1,5

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Social sciences and Engineering and technology

Language: English

Number of hours per semester: 30 hours of field training

Course coordinator/ Department and e-mail: Andrzej Morze , Institute of Geospatial Engineering and Real Estate, andrzej.morze@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: Assessment of the state of individual elements of the environment in the selected commune: - water - air - acoustic environment - waste - soils - electromagnetic non-ionizing radiation. Presentation of threats to the elements of the environment: - industrial plants - milk catchments - municipal wastewater - boiler rooms - local central heating farms - communication corridors - industrial waste - municipal waste - power lines. Inventory of environmental protection forms occurring in the commune: - areas with valuable natural or landscape values - spa areas - forest and wooded areas with non-production function - protection areas for water intakes - botanical gardens. SWOT analysis, final conclusions. Presenting analyzes on the sozological map.

LECTURES: none

Learning purpose: Understanding of relationships between environmental components; assessment of the impact of the natural environment on the directions of spatial development; forecasting the impact of spatial development on changes in the natural environment.

On completion of the study programme the graduate will gain:

Knowledge: Students have basic knowledge of the nature of natural and social sciences, their place in the system of sciences and relations to other sciences, in particular Earth sciences (InzA_W02+++, GP1A_DnRN_W02+).

Skills: Students are able to assess the usefulness of basic methods and tools for solving practical engineering tasks, and choose and apply appropriate methods and tools to mitigate the effects of spatial conflicts (InzA_U01+++, GP1A_DnRN_U09+).

Social Competencies: Students are aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on space and the natural environment, and the associated responsibility for decisions (InzA_K01+++, GP1A_DnRN_K02+).

Basic literature: 1) Cymerman R., Nowak A., Ocena i waloryzacja gruntów wiejskich, wyd. PWRiL., 1982; 2) Adolf Szponar, Fizjografia urbanistyczna, wyd. PWN, 2003.

Supplementary literature:

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 30



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Student's independent work: 15