
Course title: EVALUATION OF AGRICULTURAL PRODUCTION AREA

ECTS credit allocation (and other scores): 2.0

Semester: spring

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

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: prof. dr hab. inż. Marek Marks, Department of Agroecosystems, marek.marks@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Physical and geographical features of Poland. Decimal system for the classification of physical and geographic features (according to Kondracki). Types of regions, provinces, sub-provinces and their characteristic features. Goals and principles of agricultural assessment. Assessment of agricultural production areas in Poland. Assessment of agricultural production areas based on units of administration. Zoning criteria. Structure of agricultural production areas and agricultural systems. Areas with low suitability for agricultural production.

LECTURES: Definition and division of agricultural production area. Evaluation criteria and types of agricultural production area. Area and structure of agricultural land by land use type (arable land, meadows, orchards, water bodies, forests) in Poland, the neighboring countries and the EU. The structure of the Polish agricultural sector. Geographic and ecological definitions of landscape. The agricultural landscape and its components. Agricultural characteristics of habitat components in Poland. Criteria for evaluating soil, climate, topography and water resources. Quality of Polish soils (soil quality class and soil suitability classification). Agricultural regions. Impact of climate on agriculture. The effect of topography on agriculture. Geomorphological and agricultural regions in Poland. Water resources in Poland. Water resources for agriculture. Water relations in Polish agriculture. Habitat types in Poland. Agricultural production zones. Management of fallow land and marginal land.

Learning purpose: Students are familiarized with the method for assessing agricultural production areas in Poland and the European Union, the goals and principles of agricultural zoning in Poland.

On completion of the study programme the graduate will gain:

Knowledge: The student is familiar with the main components of the agricultural landscape and the principles for assessing agricultural production areas. Student know main rule in agricultural landscape and the principles for assessing agricultural production areas.

Skills: The student searches for, understands, analyzes and uses information about the quality of agricultural production areas. The student evaluates the influence of natural factors on crop yields.

Social Competencies: The student uses the acquired knowledge to make decisions relating to agricultural production, management of agricultural production areas and landscape design.

Basic literature: Kondracki J. 2002. Geografia regionalna Polski. PWN, Warszawa; Fierla I. (red.) 1998. Geografia gospodarcza Polski. PWE, Warszawa; Witek T. (red.) 1980. Waloryzacja rolniczej przestrzeni produkcyjnej Polski. IUNG Puławy.



Supplementary literature: -

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 1.24 ECTS points

Student's independent work: 0.76 ECTS points