



Course title: **GEOSTATISTICS**

ECTS credit allocation (and other scores): 2

Semester: spring

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

Branch of science: Engineering and technology

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: dr inż. Marek Ogryzek [/marek.ogryzek@uwm.edu.pl](mailto:marek.ogryzek@uwm.edu.pl)

Type of classes: classes

Substantive content

CLASSES: The use of geostatistical methods for the analysis and spatial distribution of phenomena for management purposes space.

Learning purpose: Mastering geostatistical methods in the process of imaging continuous phenomena (e.g. landscape) and discontinuous (e.g. real estate market). Understanding the methods of describing spatial continuity and rules using statistical relationships to study spatial phenomena.

On completion of the study programme the graduate will gain:

Knowledge: The student knows the selected description methods and tools, including data acquisition and system techniques modeling social structures in spatial and real estate management.

Skills: The student can use basic tools, research methods and information technologies to describe phenomena and processes in spatial and real estate management in terms of the system.

Social Competencies: The student aware of the complexity and interdisciplinary nature of spatial management issues and understands non-technical effects of engineering activities, including their impact on the economy, environment and society.

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 50

Students independent work: 0