



STUDY SUBJECT DESCRIPTION

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| Subject code: | AIN2Ž05 |
| Title in Lithuanian: | GEODEZINIAI IR KADASTRINIAI MATAVIMAI |
| Title in English: | GEODESIC AND CADASTRAL MEASUREMENTS |
| Subject type: | compulsory |
| Subject volume: | 3 credits, 80 hrs (40 hrs for lectures; 40 hrs for individual work). |
| The subject is certified by: | 2025-08-31 |

Study subject annotation. Students acquire knowledge about purposes, use, structure, formation methods of real estate cadastre, the factors characterising real estate quality, value and dependency. Students develop professional abilities to prepare real estate cadastral data files according to legal acts and requirements valid in the Republic of Lithuania, to collect real estate cadastral data, to form land plots, to choose measurement instruments and software necessary in cadastral measurements, to prepare real estate cadastral data for legal register in real estate register.

Study subject aim. To be able to collect cadastral data, to manage real estate cadastre, to analyse real estate cadastral data and to use specialised software in order to prepare real estate cadastral data to be registered in real estate register.

Student workload:

| Form of classes | Lectures, hours | Practical, laboratory works, seminars, consultations, hours | Total contact work hours | Total independent work hours |
|-----------------|-----------------|---|--------------------------|------------------------------|
| Contack work | 10/4 | 22/12 | 40 | 40 |
| Remote work | - | 8/24 | | |

Topic:

Purpose of real estate cadastre.

Administration system of real estate cadastre. Maps of real estate cadastre.

Marking the boundaries of real estate on a cadastral map.

Work, rights, functions and responsibility of land surveyors.

Geodetic points. Standards of landmarks.

Rules and procedure of marking boundaries of a land plot.

Problem aspects of defining boundaries of a land plot.

Cadastral measurements of a land plot and its planning.

Cadastral measurements of buildings, constructions and collection of cadastral data.

Identification of real estate cadastral data and value.

Subject study methods: theory –academic lecture, discussion, presentation of Lithuanian regulating laws and other documents, information search and its analysis, brain storm; practical work– every student prepares a particular practical work and performs a case analysis; self-study– every student prepares individual work, studies literature, prepares a PowerPoint presentation, presents the work during the seminar. The work is designed following the guidelines of KFEEUAS Department of Real Estate Cadastre. Consultations– individual consultations according to the timetable, by email, in Moodle system.

Methods and structure of students' achievement accumulative assessment. A ten-point cumulative criteria assessment system is applied

| Assessment method | Assessment part, % |
|-------------------|--------------------|
| Practical work | 20 |
| Sefl-study | 15 |
| control work | 15 |
| Examination | 50 |

Assessment criteria of study outcomes:

1. Acquisition of knowledge within study subject outcomes;
2. Quality of individual work, formulation of findings and conclusions;
3. Ability to perform practical work;
4. Individual study of scientific and legal literature.

Coordinating teacher: : lect. Aurelijus Živatkauskas, Department of Real Estate Cadastre.