GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Real Estate Cadastre , PG_00061785		
Field of study	Geodesy and Cartography		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	7.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Geodesy -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Paweł Wysocki	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	30.0	15.0	0.0	75

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	75	15.0	85.0	175

Subject objectives

Presentation of the rules for the collecting, storage and updating the cadastral data. Getting to know the legal acts connected with the land and building register in Poland.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U14] can apply the necessary skills to conduct independent work in the field of topographic surveys along with the elaborating of results, geodetic investment service, surveying and inventory measurement, photogrammetry and remote sensing, and making the maps and elaborations for legal purposes including delimitation and subdivision of real estate	Student prepares the documentation of the demarcation and division of real estate.	[SU1] Assessment of task fulfilment
[K6_U10] can apply the current legal status in the field of standards, regulations and laws in the field of geodesy and selected regulations from related industries	Student knows the legal acts regulating the functioning of the real estate cadastre in Poland.	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_W08] has legal and geodetic knowledge and understands the concepts necessary to carry out tasks related to land and building registry, spatial planning and real estate management referring to the production of maps and elaborations for legal purposes including delimitation and subdivision as well as preparation and circulation of geodetic documents in the process of carrying out investments	Student edits the decision approving the division of real estate and boundary recognition agreement.	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

Course content – lecture

Definition of the property. The rights associated with the property. Perpetual book - the documentation of the legal status of the property. Farm. The legal bases for the construction of the Integrated Cadastral System. Land and buildings register - the authorities, the scope of the subjects and objects data, register units, register group. Systematics of arable land. The frame of the land and buildings register. The process of renovation and modernization of cadastral data sets. Integration and real estate divisions. Demarcation of the property.

Course content – laboratory

Creation of a simple cadastral database. Importing external data into the database. Carrying out land-use area reconciliation within cadastral parcels. Performing the subdivision of a cadastral parcel.

Course content – project

Preparing documentation related to land subdivision, including:

- Map with a preliminary subdivision design.
- Application for approval of the preliminary subdivision design.
- Administrative decision.
- Notification of boundary acceptance activities.
- Boundary acceptance protocol.
- Register of cadastral data changes.
- Map with the final property subdivision design.
- Protocol of setting out and monumentation of new boundary points.
- Reports generated in C-GEO concerning the calculation of coordinates of new boundary points, parcel areas, and land-use area reconciliation within parcels.

Prerequisites and co-requisites

No requirements

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Laboratory	100.0%	10.0%
Project	100.0%	10.0%
Midterm colloquium	50.0%	80.0%

Recommended reading

Basic literature	1. Felcenloben D., Kataster Nieruchomości Rejestrem Publicznym, GALL 2009 2. Malina R., Kowalczyk M., Geodezja katastralna. Procedury geodezyjne i prawne. Przykłady operatów., Gall 2011 3. Ustawa z dnia 17 maja 1989 r. Prawo geodezyjne i kartograficzne (z późn. zm.) 4. Rozporządzenie Ministra Rozwoju, Pracy i Technologii z dnia 27 lipca 2021 r. w sprawie ewidencji gruntów i budynków 5. Ustawa z dnia 21 sierpnia 1997 r. o gospodarce nieruchomościami (z późn. zm.) 6. Rozporządzenie Ministra Rozwoju z dnia 18 sierpnia 2020 r. w sprawie standardów technicznych wykonywania geodezyjnych pomiarów sytuacyjnych i wysokościowych oraz opracowywania i przekazywania wyników tych pomiarów do państwowego zasobu geodezyjnego i kartograficznego (z późn. zm.)
Supplementary literature	1. USTAWA z dnia 23 kwietnia 1964 r. Kodeks cywilny z późn. zm. (Dz.U. 1964 nr 16 poz. 93) 2. USTAWA z dnia 6 lipca 1982 r. o księgach wieczystych i hipotece (Dz.U. 1982 Nr 19 poz. 147) 3. ROZPORZĄDZENIE MINISTRA SPRAWIEDLIWOŚCI z dnia 17 września 2001 r. w sprawie prowadzenia ksiąg wieczystych i zbiorów dokumentów (Dz. U. z dnia 21 września 2001 r.) 4. USTAWA z dnia 24 czerwca 1994 r. o własności lokali (Dz. U. 1994 Nr 85 poz. 388) 5. USTAWA z dnia 8 marca 1990 r. o samorządzie gminnym (Dz.U. 1990 nr 16 poz. 95)
eResources addresses	

Example issues/ example questions/ tasks being completed	Preparation of a map with the project of the division of real estate.Editing the decision approving the division of real estate.
Practical activites within the subject	Not applicable

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