



MODULE SPECIFICATION

Module code	
Module title in Polish	Wstęp do katastru i gospodarki nieruchomościami
Module title in English	Introduction to Cadastre and Real Estate Management
Module running from the academic year	2016/2017

A. MODULE IN THE CONTEXT OF THE PROGRAMME OF STUDY

Field of study	Surveying and Cartography
Level of qualification	first cycle (first cycle, second cycle)
Programme type	academic (academic/practical)
Mode of study	full-time (full-time/part-time)
Specialism	all
Organisational unit responsible for module delivery	The Department of Geotechnical Engineering, Geomatics and Waste Management
Module co-ordinator	Agnieszka Bieda, PhD, Eng.
Approved by:	Ryszard Florek-Paszowski, PhD, Eng.

B. MODULE OVERVIEW

Module type	core module (core/programme-specific/elective HES*)
Module status	compulsory module (compulsory/optional)
Language of module delivery	English
Semester in the programme of study in which the module is taught	semester 4
Semester in the academic year in which the module is taught	summer semester (winter semester/summer semester)
Pre-requisites	None (module code/module title, where appropriate)
Examination required	No (Yes/No)
ECTS credits	3

* elective HES – elective modules in the Humanities and Economic and Social Sciences

Mode of instruction	lectures	classes	laboratories	project	others
Total hours per	15	15			



Politechnika Świętokrzyska

WYDZIAŁ INŻYNIERII ŚRODOWISKA, GEOMATYKI I ENERGETYKI

semester					
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C. LEARNING OUTCOMES AND ASSESSMENT METHODS

Module aims	The aim of the module is to familiarise students with the following: the most important information connected with: property cadastre as well as property management; basic principles of establishing and modernising land and building register; and basic procedures of property management.
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Module outcome code	Module learning outcomes	Mode of instruction (l/c/lab/p/ others)	Corresponding programme outcome code	Corresponding discipline-specific outcome code
W_01	A student is familiar with the principles as well as aim of conducting property cadastre; the tasks of property management.	l	GiK_W15 GiK_W08 GiK_W22	T1A_W03, T1A_W04, T1A_W08
W_02	A student has fundamental knowledge as regards civil law, administrative law, the tasks and competences of public and local government organ competences in terms of property cadastre, land and mortgage register as well as property management.	l	GiK_W01 GiK_W22 GiK_W13	T1A_W02, T1A_W03
W_03	A student is familiar with the principles of keeping record of land and mortgage register (together with property cadastre).	l	GiK_W22	T1A_W03, T1A_W08
U_01	A student is familiar with the methods of searching information included in various bibliographic and Internet sources; furthermore, a student can assess this information and utilise it in practice.	c	GiK_U03 GiK_U05	T1A_U01
U_02	A student can utilise register databases in surveying and planning works (together with property management).	c	GiK_U19 GiK_U22	T1A_U02, T1A_U05, T1A_U07, T1A_U16
U_03	A student can make basic tasks associated with establishing and updating property cadastre.	l/c	GiK_U13 GiK_U22	T1A_U08 T1A_U14
U_04	A student is able to independently prepare for tests and examinations.	l/c	GiK_U01	T1A_U01, T1A_U05
K_01	A student is aware of the importance and understands non-technical aspects and effects of surveying activity (including its impact on the economy and the associated responsibility for the decisions made).	c	GiK_K03, GiK_K06	T1A_K02
K_02	A student understands the necessity and knows the possibilities of continuous education (second- and third degree studies, post-graduate studies) as well as raising his/her professional, personal, and social competences.	c	GiK_K02 GiK_K03	T1A_K01

Module content:

1. Topics to be covered in the lectures

No.	Topics	Module outcome code
1	Introductory information on property cadastre (basic definitions, legal fundamentals, and a historical outline).	W_01, W_02
2, 3	Establishing and modernising a study of land and building register (the procedure, methods of obtaining spatial and descriptive data).	W_01, W_02, U_03



4	Keeping a record and updating the study of land and building register (the competences of bodies, handling parties, changes in the study of land and building register).	W_01, W_02, U_03
5	Land and mortgage register (its aim, scope, principles of conducting, legal fundamentals, conducting bodies, departments, the principle of establishing and updating, legal foundation, and the association with land and building register).	W_02, W_03
6	Introductory information on property management (basic definitions, legal fundamentals, and basic procedures).	W_01, W_02, K_01
7	Survey handling of property management (survey and administrative directly resulting from the property management law as well as the related procedures).	W_01, W_02, K_02

2. Topics to be covered in the classes

No.	Topics	Module outcome code
1	The subjects of land and building register (an owner and a supervisor).	U_03
2, 3	The notions of a record parcel (together with exceptions); the principles of parcel interference, parcel attributes, register land unit, and landed property.	U_03
4	The concept of a building, building attributes, building register unit, and building property.	U_03
5	The concept of an establishment, establishment register unit, and an commercial property.	U_03
6	Cadastral database and database reports (including register map); their contents and form.	U_03
7	Utilising cadastral databases in basic surveying works connected with property management (property division).	U_01, U_02, K_01

Assessment methods

Module outcome code	Assessment methods <i>(Method of assessment; for module skills – reference to specific project, laboratory and similar tasks)</i>
K_03, K_02	A discussion with students during the classes
W_01, W_02, W_03, U_01, U_02, U_03, U_04	A test



D. STUDENT LEARNING ACTIVITIES

ECTS summary		
	Type of learning activity	Study time/ credits
1	Contact hours: participation in lectures	15
2	Contact hours: participation in classes	15
3	Contact hours: participation in laboratories	
4	Contact hours: attendance at office hours (2-3 appointments per semester)	5
5	Contact hours: participation in project-based classes	
6	Contact hours: meetings with a project module leader	
7	Contact hours: attendance at an examination	
8		
9	Number of contact hours	35 <i>(total)</i>
10	Number of ECTS credits for contact hours <i>(1 ECTS credit = 25-30 hours of study time)</i>	1.4
11	Private study hours: background reading for lectures	10
12	Private study hours: preparation for classes	10
13	Private study hours: preparation for tests	20
14	Private study hours: preparation for laboratories	
15	Private study hours: writing reports	
16	Private study hours: preparation for a final test in laboratories	
17	Private study hours: preparation of a project/a design specification	
18	Private study hours: preparation for an examination	
19		
20	Number of private study hours	40 <i>(total)</i>
21	Number of ECTS credits for private study hours <i>(1 ECTS credit = 25-30 hours of study time)</i>	1.6
22	Total study time	75
23	Total ECTS credits for the module <i>(1 ECTS credit = 25-30 hours of study time)</i>	3
24	Number of practice-based hours <i>Total practice-based hours</i>	0
25	Number of ECTS credits for practice-based hours <i>(1 ECTS credit = 25-30 hours of study time)</i>	0

E. READING LIST

References	<ol style="list-style-type: none"> 1. Bieda, A., & Hanus, P. (2010). Determination of real estate boundaries for the purposes of subdivision process. <i>Geomatics and Environmental Engineering</i>, 4, 15-20. 2. Kwartnik-Pruc, A. (2013). Assessment of Procedures for Determining Property Boundaries in the Context of Creating Cadastre in Poland. In <i>International Multidisciplinary Scientific GeoConference SGEM, GeoConference on Informatics, Geoinformatics and Remote Sensing, conference proceedings (Vol. 2, pp. 71-78)</i>. 3. Kwartnik-Pruc, A. (2015). Possibilities Of Using Innovative Sources Of Information On Real Estate In The Spatial Data Collection Process. <i>Real Estate Management and Valuation</i>, 23(1), 103-113.
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	<ol style="list-style-type: none">4. Benduch P., Pęska A. (2016). Comparison of the methods of capturing data concerning parcel boundaries in aspects of their accuracy and reliability, Geographic Information Systems Conference and Exhibition "GIS ODYSSEY 2016", 5th–9th September 2016, Perugia, Italy, 25–345. Pęska, A., Benduch, P. (2016). Land and Buildings Register Data Change as a Result of Construction Process. Geomatics and Environmental Engineering, 10(3).6. Bieda, A. (2009). Principles of calculating the cadastral value. Geomatics and Environmental Engineering, 3, 11-23.7. Bieda, A. (2008). Valuation of fixed assets for accounting purposes. Geomatics and Environmental Engineering, 2, 13-19.
Module website	-