

Course Title: Cadastral Information Systems

Basic Information for the Course			
Academic Unit:	Faculty of Civil Engineering		
Course Title:	Cadastral Information Systems		
Study Level:	Master		
Course Status:	Mandatory		
Year of Study:	Year I, Sem II		
Number of hour per year:	2+0		
ECTS:	3 ECTS		
Time / Venue:	According to the timetable		
Course Teacher:	Prof. Dr. Murat Meha		
Contact Details:	Email: murat.meha@uni-pr.edu		
Course Description:			
	This course is focused on the concepts of cadastral information systems, definitions and main components of the cadastral systems including (Hardware and Software).		
Course Objectives:			
	This course aims to offer knowledge about Cadastral Information Systems and applied methods.		
Learning Outcomes:			
	<ul style="list-style-type: none"> - Be familiar with the concept of cadastral Information system. - Identify major components of cadastral Information. - Understanding the aspects of Multipurpose Cadastral information. - Explain the responsibilities of Public and Private Sectors to the cadastral Information - Explain correlation between cadastral and spatial data information. - Be able to evaluate and defend technology for Cadastre Information system, - Be able to define the relation between GIS applications technical science and cadastral information, Support effectively decisions based on cadastral Information System,		
The actuality and the importance of the course:			
	This course will help new experts of the cadastre to understand how cadastral systems work in different countries and by knowing this they will be able to propose the needed changes within our cadastral system.		
Student Workload (Consistent with the Learning Outcomes)			
Activity	Hours	Day/Week	Total
Lectures	2	15	30
Theory/Lab work/Exercises			
Practical Work			

Preparation for intermediary test			
Consultation with the teacher	2	10	20
Field work			
Colloquium, Seminars	3	3	9
Homework			
Self-study Time (in the Library or at Home)	1	10	10
Final exam preparation			
Evaluations (Tests, Quiz, Final exam)	2	1	2
Projects, Presentations, etc.	2	2	4
Add other activities that do not meet on the table...			
Total			75

Total

Teaching Methodology:	<ul style="list-style-type: none"> - <i>Lecture</i> - <i>Discussion during lectures</i> - <i>Exercises</i> - <i>Work in group</i>
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Evaluation Methods:	<p>In evaluation, the percentage of the attendance of each partial evaluation in the final evaluation must be determined. One of the ways of evaluation would be:</p> <p>First valuation: 25%</p> <p>Second Valuation: 25%</p> <p>Homework: 10%</p> <p>Attendance: 10%</p> <p>Final Exam: 30%</p> <p>Total: 100%</p>
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Basic Literature:

Basic Literature:	<p>1. J. Kaufmann, D. Steudler. CADASTRE 2014 – A Vision for a Future Cadastral System. of FIG Commission 7. July 1998, p 102, eng. and alb.</p>
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Additional Literature:	<p>2. Larsson, G. Land Registration and Cadastral Systems: Tools for land information and management. Longman Scientific and Technical, Essex</p>
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Course Plan

Week	Title of the lecture
Java 1:	Concept of cadastral Information system, principles and definitions
Java 2:	Major components of cadastral Information system (hardware, software, database and human resources)
Java 3:	Multipurpose Cadastral information System
Java 4:	Web application and Cadastral information System
Java 5:	Data handling techniques
Java 6:	Cadastral data acquisition and data integration
Java 7:	The role of surveyors in Cadastre
Java 8:	First Student Valuation
Java 9:	Performing of cadastral data analysis
Java 10:	Modern LA theory and cadastre as engine of LIS

Java 11:	KCLIS and Implementation Strategy
Java 12:	Integrated textual and graphic data through KCLIS
Java 13:	Quality control of cadastral data, processing and Interpretation
Java 14:	Trends on Cadastral Information System
Java 15:	Second Student Valuation

Academic Policies and Rules of Civility:

We start and finish class on time.

Tools used during class must be cleaned and stored away at the end of class.

Mobile/smart phones, and other electronic devices (e.g. iPods) must be turned off (or on vibrate) and hidden from view during class time.

Laptop and tablet computers are allowed for quiet use only; other activities such as checking personal e-mail or browsing the Internet are prohibited.

Notice | If 3 classroom exercises of one student are evaluated under 50% than he/she will lose the right to attend the final exam. The evaluation will be done from 0-100%.