Course title :

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course title:	The use of geoinformation
Level:	Bachelor
Course Status:	Elective
Year of Study:	Year 2, Semester 3
Number of Classes per Week:	2+1
ECTS Credits:	3
Time /Location:	According to the Timetable
Teacher:	Prof.Ass.Dr. Ymer Kuka
Contact Details:	ymer.kuka@uni-pr.edu +383 44 224 853
Course Description:	The subject begins with basic knowledge spatial information, possible formats of saving and presentation, domains that find application such information, conversion methods between different formats, then continues with the data representation in different cartographic projections, and concludes with the spatial data analysis and the potential applications in proper examples.
Course Goals:	The main purpose of the subject is to develop the basic knowledge of spatial information, their presentation and use in specific fields.
Expected Learning Outcomes:	Upon completion of this course the student will be able to: - Get basic knowledge of spatial information. - Do the necessary transformations within the different formats of spatial data. - Understand what are the possible areas of the use of spatial data in solving practical tasks.

Student Workload (should be in compliance with student's Learning Outcomes)			
Activity	**Hours**	**Day/ Week**	**Total**
Lectures	2	15	30
Theory/ Lab Work/Exercises	1	15	15
Practical Work			
Study for intermediate test	2	2	4
Consultations with the teacher			
Field Work			
Test, seminar paper	1	5	5
Homework	1	5	5
Self-study (library or home)	1	5	5
Preparation for final exam	3	2	6

Assessment time (test, quiz, final exam)			
Projects, presentations, etc.	1	15	15
Total			**83**

Teaching Methods:	-Lecture -Discussion during lectures -Exercises -Team work
Assessment Methods:	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: First Evaluation: 15% Second Evaluation: 15% Homework or other engagement: 10% Attendance 5% Final Exam 55% Total 100%
Primary Literature:	1) GIS – a Computing Perspective, Worboys, M. (2003) 2) Fazal, Sh. (2008): GIS Basics.
Additional Literature:	1) Markus, B. (2011): Geoinformation management 2.

Designed teaching plan

Week	Title of the Lecture
Week 1:	Use of geoinformation to get acquainted with the transformation options in different formats
Week 2:	Users' decision on how to use the notes
***Week 3*:**	Examples of the use of geoinformation
Week 4:	Convert vector to raster
Week 5:	Generalization of the line
***Week 6*:**	Merging Attributes
Week 7:	Changing the projection and managing the transactions
Week 8:	Identification of different note forms, note pattern First valuation
Week 9:	Identification of different forms of notes,
Week 10:	Projection and various spatial data
***Week 11*:**	Summary of changes and their function in analysis and modeling
***Week 12*:**	The possibility of switching from one format to another
***Week 13*:**	Loss of information should be as small as possible during the transformation
***Week 14*:**	Quality of analysis during transformation
***Week 15*:**	Analysis and the easiest way to use geoinformation Second valuation

Academic Policies and Code of Conduct

- Regular attendance of lectures and exercises
- Being quiet during the sessions
- Shutting down mobile phones
- Being on time

Note | If a student has more than 3 class assignements evaluated below 50% he/she loses the right on taking the final exam. Evaluation is done from 0-100 %.