Course title :

Course Basic Information	
Academic Unit:	Faculty of Civil Engineering
Course title:	Topographic mapping
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.Asoc.Dr. Bashkim Idrizi
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Course Description:	The course begins with the definition, characteristics, classification and importance of topographic maps, then gives different ways of forming the names and nomenclature of topographic maps according to international standards and those of topographic maps of Kosovo, to continue with a detailed explanation of the content of topographic maps of scale 1: 25000 to 1: 200000. The following are the methods and technology of compiling topographic maps, accompanied by all standards that must contain topographic maps, up to the creation of the original publication and quality control of maps. Finally, the methods and techniques of using topographic maps for orientation and movement in nature, direct measurements of geometric elements, analysis of errors during the measurement process and the accuracy of the elements obtained from topographic maps are explained. The course ends with practical lessons for compiling maps and presenting individual and seminar papers to students.
Course Goals:	This course enables students to gain basic theoretical and practical knowledge of topographic cartography such as scientific discipline and topographic maps, even starting from the definition, characteristics, importance, nomenclature and naming of topographic maps. Knowledge of the content of topographic maps, methodology and process of their compilation, quality control, how to use them and the standards they must meet will help students gain initial knowledge of using and compiling topographic maps in grades 1: 25000 to 1: 200000.
Expected Learning Outcomes:	1. The student recognizes topographic cartography as a science and the products of topographic cartography 2. The student knows the processes for compiling topographic maps

	3. The student knows the content of the topographic maps 4. The student knows the methodology-standards of compiling topographic maps. 5. The student knows the tiling and naming of topographic maps 6. The student knows the methods for measurement on topographic maps 7. The student knows the methods for orientation and movement in the field with topographic map.

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	2	2	4
Assessment time (test, quiz, final exam)			
Projects, presentations, etc.	1	15	15
Total			**83**

Teaching Methods:	- Lectures with presentation and practical demonstrations of maps. - Numerical exercises. - Semester seminar with concrete tasks. - Compilation of topographic map as individual semester work. - Discussions during lectures. – - Exercises in groups
Assessment Methods:	Attendance: 15% Individual work: 15% First valuation: 35% Second Valuation: 35% Final Exam: 70% Total: 100%
Primary Literature:	Idrizi B.: Hartografia topografike, dispensë, FNA, Prishtinë, 2010
Additional Literature:	Hatzopoulos J.: Topographic mapping. Florida, USA, 2008. Idrizi B.: Përpilimi i hartave dhe përgjithësimi hartografik, Shkup 2006. Idrizi B.: Hartografi, Shkup 2006.

Designed teaching plan	
Week	**Title of the Lecture**
Week 1:	Topographic mapping and topographic maps
Week 2:	Historical overview on topographic maps
***Week 3*:**	Natural phenomena as contents of topographic maps
Week 4:	Social phenomena as contents of topographic maps
Week 5:	Naming and nomenclature of topographic maps
***Week 6*:**	Topographic key
Week 7:	Compilation of topographic maps
Week 8:	First valuation
Week 9:	Topographic databases
Week 10:	Usage of topographic maps
***Week 11*:**	Orientation with natural phenomena
***Week 12*:**	Orientation with topographic maps and GPS
***Week 13*:**	Measurement in topographic maps
***Week 14*:**	Topographic profile
***Week 15*:**	Second Valuation

Academic Policies and Code of Conduct
1. Regular attendance of lectures and exercises *2. Being quiet during the sessions* *3. Shutting down mobile phones* *4. 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 %.