Study program:	roads
Level of study:	Undergraduate academic studies or Master academic studies or PhD studies
Course title:	Engineering geology
Teacher:	Nađo Đuric
Course Status:	Obligatory
Credits (ECTS):	6
Prerequisite:	Geology and petrology

Course objective(s):
Introduction with the basics of engineering geology and its applications in the field of civil engineering.

Course outcome(s):
Realization of planned objectives.

Course Content:

1st week	Introduction into engineering geology
2nd week	Basic geomorphological characteristics of the terrain
3rd week	Basics of hydrographic characteristics of the terrain
4th week	Slopes and slope processes - types of slopes
5th week	Slopes and slope processes - classification of slopes
6th week	Engineering geological studies for the construction of the settlements – the impact of geological structure and morphological features, influence of hydrogeological features
7th week	Engineering geological studies for the construction of the settlements – the impact of geotechnical and geomechanical features
8th week	Engineering geological studies for the construction of the airport
9th week	Engineering geological studies for the construction of the roads
10th week	Engineering geological studies for the construction of the tunnels - characteristics of the rocks along the route of the tunnel, their appearance, spatial position etc.
11th week	Engineering geological studies for the construction of the tunnels - geological, engineering geological and other occurrences in the tunnel
12th week	Engineering geological studies for the construction of bridges
13th week	Engineering geological studies for the construction of channels and pipelines
14th week	Engineering geological studies for the construction of dams and accumulations
15th week	Content of the project documentation

Literature:
1. N. Đurić, Hidrogeološka i inženjerskogeološka istraživanja, Građevinski fakultet Subotica, Tehnički ‘institut Bijeljina. Subotica–Bijeljina, 2011.
2. M. Janjić, Inženjerska geologija sa osnovama geologije
3. Lj. Rokić I V. Vujanić, Padine
4. V. Vlahović, Geologija – petrologija

Number of hours:				Other classes: 0
Lectures: 2	Exercises: 2	Other forms of teaching: 0	Individual research work: 0	

Teaching methods: Lectures, exercises, seminars, consultations

Evaluation of knowledge (maximum 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Activity during the lectures	**5**	Written exam	**10–25**
Activity during the exercises	**5**	Oral exam	**35–65**
Seminar paper (Graphic work, Term paper…)	**00**	-	-
Colloquia	**00**		