

Faculty of Civil Engineering / INFRASTRUKTURE /

Prerequisites	
Aims	Students should learn basic categories and concepts from technologies of civil engineering.
Lecturer / Teaching assistant	dr Miloš Knežević - professor dr Željka Beljkaš - professor mr Mladen Gogić - assistant
Method	Lectures, seminar paper, preliminary exam.
Week 1, lectures	Generally on technologies of civil engineering construction, preparatory and earth works (geodetic works, site clean-up, soil categorization, site organization).
Week 1, exercises	Generally on technologies of civil engineering construction, preparatory and earth works (geodetic works, site clean-up, soil categorization, site organization).
Week 2, lectures	Execution of earth works, constructional plant for excavation, and loading.
Week 2, exercises	Execution of earth works, constructional plant for excavation, and loading.
Week 3, lectures	Constructional plant for compaction.
Week 3, exercises	Constructional plant for compaction.
Week 4, lectures	Making of cuts and embankments.
Week 4, exercises	Making of cuts and embankments.
Week 5, lectures	Deformation, repair and insurance of road base.
Week 5, exercises	Deformation, repair and insurance of road base.
Week 6, lectures	Slopes protection and stabilization of landslide.
Week 6, exercises	Slopes protection and stabilization of landslide.
Week 7, lectures	FREE WEEK
Week 7, exercises	FREE WEEK
Week 8, lectures	Noise protection. PRELIMINARY EXAM
Week 8, exercises	Noise protection. PRELIMINARY EXAM
Week 9, lectures	Traffic equipment and traffic safety.
Week 9, exercises	Traffic equipment and traffic safety.
Week 10, lectures	Asphalt works. PREPARATORY EXAM
Week 10, exercises	Asphalt works. PREPARATORY EXAM
Week 11, lectures	Procedures of cool recycling in rehabilitation of asphalt road structures.
Week 11, exercises	Procedures of cool recycling in rehabilitation of asphalt road structures.
Week 12, lectures	Procedures of warm recycling in recycling of asphalt road structures.
Week 12, exercises	Procedures of warm recycling in recycling of asphalt road structures.
Week 13, lectures	Procedures of warm recycling in recycling of asphalt road structures.
Week 13, exercises	Procedures of warm recycling in recycling of asphalt road structures.
Week 14, lectures	Application of geo-synthetic materials in civil engineering construction.
Week 14, exercises	Application of geo-synthetic materials in civil engineering construction.
Week 15, lectures	Technology of construction and reconstruction of railways
Week 15, exercises	Technology of construction and reconstruction of railways
Student obligations	
Consultations	
Workload	Weekly 6.0 credits x 40/30 = 8 hours. Total workload for the course 6.0x30 = 180 hours
Literature	
Examination methods	- Attendance of teaching courses to 5 point - Seminar paper 1 x 20 = 20 points - Preliminary exam 1 x 25 = 25 points - Final exam = 50 points - Sufficient mark is got if you collect 51 point.
Special remarks	
Comment	Further information can be got at the course teacher, assistant, manager of the study program and at

	the vice-dean for teaching courses.
Learning outcomes	