

COURSE CATALOG – CIVIL ENGINEERING

Type of Study: Graduate university study

Semesters: 4

ECTS: 120

	Course	Student workload Weekly(L + S + T)	ECTS credits
1st Semester (Summer)	Civil engineering heritage and tehniqe	15 (2+0+1)	5
	Statistics	15 (2+0+1)	5
	Thermodynamics	15 (2+0+1)	5
	Theory of construction	15 (2+0+1)	5
	Resistance of materials and theory of elasticity	15 (2+0+1)	5
	Construction management	15 (2+0+1)	5
2nd Semester (Winter)	Standars for civil engineering - Eurocodes	15 (2+0+1)	5
	Modelling and calculation of construction	15 (2+0+1)	5
	City roads and pavement structures	15 (2+0+1)	5
	Building physics and energy efficiency	15 (2+0+1)	5
	Technical diagnostics	15 (2+0+1)	5
	Geotechnical engineering	15 (2+0+1)	5
3rd Semester (Summer)	Dynamics of structures and earthquake engineering	15 (2+0+1)	5
	Water systems	15 (2+0+1)	5
	Revitalization, conservation and restoration of buildings	15 (2+0+1)	5
	Foundations in building construction	15 (2+0+1)	5
	<i>Protection and purification of waters</i>	15 (2+0+1)	5
	<i>Bridges</i>	15 (2+0+1)	5
	<i>Project management</i>	15 (2+0+1)	5
	<i>Modern geotechnology and geotechnics</i>	15 (2+0+1)	5
4th Semester (Winter)	Methodology of scientific-research work	2+1+1	10
	Diploma thesis - final assignment	2+1+1	30

L – LECTURES, S – SEMINARS, T-TUTORIALS

Elective courses in italic