

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

Note: Θ=Theory, E=Laboratory, Φ=Tutorial. When not mentioned, it means «Theory»

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>1° Semester</b>								
1.	Compulsory	Professional Studies and Skills I	CIV 111	2	1,5 hours	13	26 (39 hours)	5
2.	Compulsory	Geodesy I	GEO 131	2Θ+1E	1,5 hours	13	39 (58,5 hours)	5
3.	Compulsory	Geology for Engineers	CIV 112	2	1,5 hours	13	26 (39 hours)	5
4.	Compulsory	Technical Drawing & Computer Aided Design (CAD) *	CIV 113	1Θ+1E	1,5 hours	13	26 (39 hours)	5
5.	Compulsory	Physics I	CIV 114	2Θ+1E+1Φ	1,5 hours	13	52 (78 hours)	5
6.	Compulsory	Mathematics I	CIV 115	2Θ+1Φ	1,5 hours	13	39 (58,5 hours)	4
7.	Compulsory	English for Academic Purposes	LCE 119	4	1,5 hours	13	52 (78 hours)	4
Total ECTS								31

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
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2° Semester								
1.	Compulsory	Engineering Mechanics-Statics	CIV 116	2	1,5 hours	13	26 (39 hours)	5
2.	Compulsory	Geodesy II	GEO 132	2Θ+2E	1,5 hours	13	52 (78 hours)	5
3.	Compulsory	Mathematics II	CIV 117	2	2,5 hours 2 hours	13	26 (58,5 hours)	5
4.	Compulsory	Computer Programming for Engineers I	CIV 118	1Θ+1E	1,5 hours	13	26 (39 hours)	5
5.	Compulsory	Statistics, Error Theory and Least Squares Method	CIV 119	2	1,5 hours	13	26 (39 hours)	5
6.	Compulsory	Integrated Design for Civil Engineers & Surveying and Geoinformatics Engineers I	CIV 181	2	1,5 hours	13	26 (39 hours)	4
7.	Compulsory	English for Civil Engineers & Surveying and Geoinformatics Engineers	LCE 120	4	1,5 hours	13	52 (78 hours)	4
Total ECTS								33

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
3° Semester								

1.	Compulsory	Construction Materials	CIV 221	2Θ+1E	1,5 hours	13	39 (58,5 hours)	5
2.	Compulsory	Mathematics III	CIV 211	2	1,5 hours	13	26 (39 hours)	5
3.	Compulsory	Strength of Materials	CIV 222	2Θ+1E	1,5 hours	13	39 (58,5 hours)	5
4.	Compulsory	Professional Studies and Skills II	CIV 212	2	1,5 hours	13	26 (39 hours)	3
5.	Compulsory	Structural Analysis I	CIV 223	2Θ+1E	1,5 hours	13	39 (58,5 hours)	5
6.	Compulsory	Hydraulics	CIV 224	2Θ+1E	1,5 hours	13	39 (58,5 hours)	5
7.	Compulsory	Computer Programming for Engineers II	CIV 213	1Θ+1E	1,5 hours	13	26 (39 hours)	5
Total ECTS								33

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>4° Semester</b>								
1.	Compulsory	Structural Analysis II	CIV 225	2	1,5 ώρες	13	26 (39 hours)	5

2.	Compulsory	Soil Mechanics	CIV 226	2Θ+1E	1,5 ώρες	13	39 (58,5 hours)	5
3.	Compulsory	Highway Engineering I	CIV 227	2	1,5 ώρες	13	26 (39 hours)	5
4.	Compulsory	Principles of Geoinformatics and Geographical Information Systems (GIS)	GEO 214	2Θ+1E	1,5 hours	13	39 (58,5 hours)	4
5.	Compulsory	Sustainability and Environmental Concepts	CIV 215	2	1,5 hours	13	26 (39 hours)	4
6.	Compulsory	Integrated Design for Civil Engineers & Surveying and Geoinformatics Engineers IIII	CIV 281	2	1,5 hours	13	26 (39 hours)	4
Total ECTS								27

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>Summer period of 2nd year of study</b>								
1.	Compulsory	Practical Training I: June to July	CIV 271	N/A	N/A	8	N/A	4
Total ECTS								4

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>5° Semester</b>								
1.	Compulsory	Reinforced Concrete Structures (I)	CIV 321	2	1,5 hours	13	26 (39 hours)	5
2.	Compulsory	Environmental Impact Assessment	CIV 311	2	1,5 hours	13	26 (39 hours)	4
3.	Compulsory	Structural Dynamics	CIV 322	2	1,5 hours	13	26 (39 hours)	5
4.	Compulsory	Foundation Engineering	CIV 323	2	1,5 hours	13	26 (39 hours)	5
5.	Compulsory	Water Supply & Waste Management in Structures	CIV 324	2	1,5 hours	13	26 (39 hours)	5
6.	Compulsory	Project Management and Economics	CIV 312	2	1,5 hours	13	26 (39 hours)	5
Total ECTS								29

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>6° Semester</b>								
1.	Compulsory	Construction Management	CIV 313	2	1,5 hours	13	26 (39 hours)	4
2.	Compulsory	Reinforced Concrete Structures (II)	CIV 325	2	1,5 hours	13	26 (39 hours)	5
3.	Compulsory	Earthquake Engineering	CIV 326	2	1,5 hours	13	26 (39 hours)	5
4.	Compulsory	Steel Structures	CIV 327	2	1,5 hours	13	26 (39 hours)	5
5.	Compulsory	Smart Sensors for Infrastructure Engineering	CIV 328	2	1,5 hours	13	26 (39 hours)	5
6.	Compulsory	Transportation Planning	CIV 329	2	1,5 hours	13	26 (39 hours)	5
Total ECTS								29

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>Summer period of 2nd year of study</b>								
1.	Compulsory	Practical Training II: June to July	CIV 371	N/A	N/A	8	N/A	4
Total ECTS								4

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
<b>7° Semester</b>								
1.	Compulsory	Prestressed Concrete	CIV 421	2Θ+1Φ	1,5 hours	13	39 (58,5 hours)	5
2.	Compulsory	Project (Thesis) (7th & 8th semester)	CIV 481	Δ/E	Δ/E	13		5
3.	Compulsory	Elements of Law and Engineering Legislation	CIV 411	2	1,5 hours	13	26 (39 hours)	2
4.	Elective	Selection from Flow INFRA ή DOMO <i>(see Table 2a)</i>				13		5
5.	Elective	Selection from Flow INFRA ή DOMO <i>(see Table 2a)</i>				13		5
6.	Elective	Selection from Flow INFRA ή DOMO <i>(see Table 2a)</i>				13		5
7.	Elective	Selection from Flow GEO <i>(see Table 2a)</i>				13		5
Total ECTS								32

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
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8° Semester								
1.	Compulsory	Project (Thesis) (7th & 8th semester)	CIV 482	N/A	N/A	13	N/A	10
2.	Compulsory	Durability of Infrastructures and Risk Management	CIV 422	2	1,5 hours	13	26 (39 hours)	5
3.	Free Elective	Free Elective (Foreign Language)				13		6
4.	Elective	Selection from Flow INFRA ή DOMO (see Table 2b)				13		5
5.	Elective	Selection from Flow INFRA ή DOMO (see Table 2b)				13		5
6.	Elective	Selection from Flow INFRA ή DOMO (see Table 2b)				13		5
Total ECTS								36

**Table 2a: Technical Electives of 7th Semester Courses for Civil Engineers**

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
Flow: INFRA								

1.	Elective	Highway Engineering II	CIV 441	2	1,5 hours	13	26 (39 hours)	5
2.	Elective	Hydrology	CIV 442	2	1,5 hours	13	26 (39 hours)	5
3.	Elective	Water Supply Networks I	CIV 443	2	1,5 hours	13	26 (39 hours)	5
Flow: DOMO								
4.	Elective	Building Technology I	CIV 451	2	1,5 hours	13	26 (39 hours)	5
5.	Elective	Numerical Methods for Structural Analysis	CIV 452	3	1,5 hours	13	39 (58,5 hours)	5
Flow: GEO								
6.	Elective	Cadastre	GEO 361	2	1,5 hours	13	26 (39 hours)	5
7.	Elective	Land Management	GEO 362	2	1,5 hours	13	26 (39 hours)	5

**Table 2b: Technical Electives of 8th Semester Courses for Civil Engineers**

A/A	Module Type	Module Name	Code	Periods / week	Period duration (Hours)	Number of weeks / semester	Total periods / semester	ECTS
Flow: INFRA								
1.	Elective	Analysis of Bridges and Tunnels	CIV 444	-	-	13	26	5
2.	Elective	Offshore Engineering	CIV 445	2	1,5 hours	13	26 (39 hours)	5

3.	Elective	Coastal Engineering	CIV 446	2	1,5 hours	13	26 (39 hours)	5
4.	Elective	Water Supply Networks II	CIV 447	2	1,5 hours	13	26 (39 hours)	5
5.	Elective	Water Resource Management	CIV 448	2	1,5 hours	13	26 (39 hours)	5
Flow: DOMO								
6.	Elective	Building Technology II	CIV 453	2	1,5 hours	13	26 (39 hours)	5
7.	Elective	Design of Steel and Composite Structures	CIV 454	2	1,5 hours	13	26 (39 hours)	5