

Courses for Erasmus+ Students
Department of Civil Engineering AUTH

Last update : 2022-10-07

Important Notice:
For courses not listed below please contact the course instructors

69 = No of courses			ΣECTS = 279														
No	Code	Course	Semester	ECTS	Compulsory	Instruction				Examination				Books/Notes/Other	Course Instructor		
					Elective	Lectures	Independent study	Project	Other	Written Exam	Oral exam	Project	Other		Name	email	Office location
1	TE0100	Construction Materials I	1 (Fall)	6	Compulsory		X	X		X		X		Electronic material (papers, lectures presentations, proposed references)	M Stefanidou	stefan@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
2	TE0200	Technical Drawing	1 (Fall)	6	Compulsory	X		X		X		X		Ernst Neufert (2003)	S Bagiouk	smpagiou@civil.auth.gr	R104, 1st Floor, Hydraulics Build
3	TE0400	Construction Materials II	2 (Spring)	6	Compulsory		X	X		X		X		Electronic material (papers, lectures presentations, proposed references)	E Anastasiou	elan@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
4	TE0800	Structural analysis II	5 (Fall)	5	Compulsory		X					X		Books/Notes/Other	T Makarios	makariostr@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
5	TE1100	Metal Structures I	6 (Spring)	5	Compulsory		X	X		X		X		Books/Notes/Other	E Efthymiou, Th Nikolaidis	vefth@civil.auth.gr , thnik@civil.auth.gr	Laboratory of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
6	TE1200	Special Topics in Building Construction	8 (Spring)	3	Elective		X	X				X		Notes & proposed bibliography	K Tsikaloudaki	katgt@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
7	TE1300	Theory of Disks and Plates	7 (Fall)	3	Elective (Compulsory for Structures)		X					X		Books/Notes/Other	T Makarios	makariostr@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
8	TE1500	Metal Structures II	7 (Fall)	5	Compulsory		X	X		X		X		Books/Notes/Other	E Efthymiou, Th Nikolaidis	vefth@civil.auth.gr , thnik@civil.auth.gr	Laboratory of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
9	TE1700	Energy-Saving Design in Buildings	9 (Fall)	4	Elective			X				X	Individual meetings for assigned projects (work progress monthly basis)	Electronic material (lecture presentations, regulations, proposed references)	Th Theodosiou	tgt@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
10	TE1800	Dynamics of Structures I	6 (Spring)	5	Compulsory		X	X		X	X			Book/Notes	A Athanatopoulou	minak@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
11	TE2000	Numerical methods in structural analysis I	7 (Fall)	3	Elective (Compulsory for Structures)										G Stefanou	gstefanou@civil.auth.gr	
12	TE2100	Theory of Shells	8 (Spring)	3	Elective		X					X		Books/Notes/Other	T Makarios	makariostr@civil.auth.gr	
13	TE2200	Composite buildings and bridges	8 (Spring)	3	Elective		X	X		X		X		Books/Notes/Other	Th Nikolaidis	thnik@civil.auth.gr	Laboratory of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
14	TE2300	Prestressed Concrete	8 (Spring)	4	Elective (Compulsory for Structures)		X					X		Notes	C. Karayannis V. Papanikolaou Gr Manoukas	karayan@civil.auth.gr , billy@civil.auth.gr , grman@civil.auth.gr	Reinforced concrete Bldg
15	TE2400	Dynamics of Structures II	8 (Spring)	4	Elective (Compulsory for Structures)		X	X		X	X			Book/Notes	A Athanatopoulou	minak@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
16	TE2600	Concrete bridges	9 (Fall)	4	Elective										V Papanikolaou	billy@civil.auth.gr	Reinforced concrete Bldg
17	TE2900	Special topics in construction materials	8 (Spring)	3	Elective		X	X				X			M Stefanidou	stefan@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
18	TE3100	Seismic analysis and other specifics of Metal Structures Design	9 (Fall)	3	Compulsory		X	X		X		X		Books/Notes/Other	E Koltsakis	mkolts@civil.auth.gr	Laboratory of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
19	TE3500	Fire Protection of Building Structures	8 (Spring)	3	Elective		X					X	Individual meetings for assigned projects (work progress monthly basis)	Electronic material (papers, lectures presentations, proposed references)	K-N Kontoleon	kontoleon@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
20	TE3700	Behavior and properties of reinforced concrete	9 (Fall)	4	Elective		X	X		X	X	X		Electronic material (papers, lectures presentations, proposed references)	E Anastasiou	elan@civil.auth.gr	
21	TE4100	Restoration of concrete and masonry buildings	9 (Fall)	4	Elective		X	X				X		Electronic material (papers, lectures presentations, proposed references)	E Anastasiou, V Pachta	elan@civil.auth.gr	Ground floor / 4th floor, Main Building of School of Engineering (Building A')
22	TE4300	Elastoplastic analysis of structures	9 (Fall)	4	Elective		X	X		X		X		Books/Notes/Other	E Papamichos	epapamic@civil.auth.gr	Basement, Main Building of School of Engineering (Building A')
23	TE4200	Timber structures	9 (Fall)	4	Elective			X				X		Electronic material (papers, lectures presentations, proposed references)	E Anastasiou, Ch Giarma, M Stefanidou	elan@civil.auth.gr , chgiarma@civil.auth.gr , stefan@civil.auth.gr	Ground floor / 4th floor, Main Building of School of Engineering (Building A')
24	TE4400	Strength of Materials and Structural Elements I	2 (Spring)	6	Compulsory		X			X			Weekly exercises	Book	E Papamichos	epapamic@civil.auth.gr	4th floor, Main Building of School of Engineering (Building A')
25	TE4500	Strength of Materials and Structural Elements II	3 (Fall)	6	Compulsory		X			X			Weekly exercises	Book	K Katakalos	kkatakala@civil.auth.gr	Basement, Main Building of School of Engineering (Building A')
26	TE5100	Structural Aluminium	8 (Spring)	3	Elective		X	X		X		X		Books/Notes/Other	E Efthymiou	vefth@civil.auth.gr	Insitute of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
27	TR0300	Engineering Geology I	3 (Fall)	6	Compulsory		X			X			Weekly exercises	Notes/Ppt	E Mpakasis	bacasis@auth.gr	Main Enginrg Building- annex building, 2nd Floor
28	TR0500	Soil Mechanics I	5 (Fall)	5	Compulsory		X	X		X		X	Weekly exercises	Electronic material (book chapters, notes, lectures presentations)	Th Tika	tika@civil.auth.gr	Civil Engineering Wing, Basement

29	TF0900	Photogrammetry-Geoinformation Systems	8 (Spring)	3	Elective		X	X	X			X		Notes	M Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
30	TF1100	Foundations- Retaining walls & Geotechnical Structures	8 (Spring)	5	Compulsory	X		X			X	X		Book/Notes/ppt	Ch Anagnostopoulos, D Pitilakis	anag@civil.auth.gr dpitilakis@civil.auth.gr	Polytechnic Wing B (building 10b), Basement, Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
31	TF1700	Deep Excavations and Earth Retaining Structures	9 (Fall)	5	Elective (Compulsory for Geotechnics)	X		X			X	X		Notes/ppt	Ch Anagnostopoulos, D Pitilakis	anag@civil.auth.gr dpitilakis@civil.auth.gr	
32	TF2100	Geomatics	9 (Fall)	4	Elective	X	X					X		Notes/ppt	P Savvaidis, K Lakakis	lakakis@civil.auth.gr	Surveyors' Building, 2nd floor
33	TF2500	Engineering Seismology and Earthquake Engineering	9 (Fall)	3	Elective		X			X					D Raptakis	raptakis@civil.auth.gr	
34	TF3500	Photointerpretation-Remote Sensing	9 (Fall)	4	Elective		X	X	X			X		Notes	Ch Georgiadis, M Lazaridou	lazamari@civil.auth.gr	
35	TF3600	Special issues of Photogrammetry	9 (Fall)	4	Elective		X	X	X			X		Notes	Ch Georgiadis, M Lazaridou	lazamari@civil.auth.gr	
36	TF3700	Geotechnical Earthquake Engineering	8 (Spring)	3	Elective	X		X	Weekly exercises		X		Weekly exercises	Notes/ppt	A Anastasiadis, D Pitilakis	anas@civil.auth.gr dpitilakis@civil.auth.gr	Polytechnic Wing B (building 10b), Basement, Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
37	TF3900	Landslides, Earth Cuts and Fills	9 (Fall)	4	Elective	X		X			X	X		Electronic material (book chapters, notes, lectures presentations)	Ch Anagnostopoulos, Th Tika	anag@civil.auth.gr tika@civil.auth.gr	
38	TFY003	Design and construction of dams	9 (Fall)	4	Elective		X	X				x	Weekly exercises	Electronic material (book chapters, notes, lectures presentations)	P Prinos, Th Tika	prinos@civil.auth.gr tika@civil.auth.gr	R207, 2nd Floor, Hydraulics Build
39	TS0300	Construction Equipment	7 (Fall)	3	Elective (Compulsory for Transportation)			X				X		Book/Notes Ppts	KI Petroutsatou	kpetrout@civil.auth.gr	3rd Floor (next to the stairs), Main Building of School of Engineering (Building A')
40	TS0400	Transportation Engineering	4 (Spring)	6	Compulsory									Book/Notes/Ppt	I Politis	pol@civil.auth.gr	6th Floor, Main Building of School of Engineering (Building A')
41	TS0600	Traffic control	8 (Spring)	3	Elective										G Georgiadis	ggeorgiadis@civil.auth.gr	
42	TS1200	Railway infrastructure	8 (Spring)	4	Elective (Compulsory for Transportation)		X			X		X		Book (in English)	Ch Pyrgidis	pyrgidis@civil.auth.gr	
43	TS1500	Management of Construction Sites	9 (Fall)	5	Elective		X	X				X		Books/Notes/Other	I Xenidis	ioxen@civil.auth.gr	3rd Floor, Main Building of School of Engineering (Building A')
44	TS1800	Transportation Economics	9 (Fall)	4	Elective			X		X		X		Book/Notes	D Nalmpantis, G Palantzas, I Politis	dnalba@civil.auth.gr palatzas@civil.auth.gr pol@civil.auth.gr	6th Floor, Main Building of School of Engineering (Building A')
45	TS1900	Public Transportation	9 (Fall)	5	Elective (Compulsory for Transportation)	X		X		X		X		Book/Notes/Ppt/Audio	G Georgiadis	ggeorgiadis@civil.auth.gr	
46	TS2100	Transportation Systems	8 (Spring)	4	Elective (Compulsory for Transportation)			X		X		X		Book/Notes	D Nalmpantis, G Palantzas	dnalba@civil.auth.gr palatzas@civil.auth.gr	
47	TS2200	Construction Management	7 (Fall)	5	Compulsory			X				X		Book/Notes Ppts	G Aretoulis KI Petroutsatou	garet@civil.auth.gr kpetrout@civil.auth.gr	3rd floor, Main Building of School of Engineering (Building A')
48	TS3000	Transportation Planning	7 (Fall)	4	Compulsory		X	X	X			X		Book/Notes/Ppt	I Politis, D Nalmpantis	pol@civil.auth.gr dnalba@civil.auth.gr	6th Floor, Main Building of School of Engineering (Building A')
49	TS3400	Management of Construction Companies	8 (Spring)	3	Elective			X				X		Book/Notes Ppts	KI Petroutsatou, D Nalmpantis	kpetrout@civil.auth.gr dnalba@civil.auth.gr	3rd Floor, Main Building of School of Engineering (Building A') 6th Floor, Main Building of School of Engineering (Building A')
50	TS3900	Regional Development II	9 (Fall)	4	Elective			X				X		Book/Notes	D Nalmpantis, G Palantzas	dnalba@civil.auth.gr palatzas@civil.auth.gr	6th Floor, Main Building of School of Engineering (Building A')
51	TS4100	Road Safety	9 (Fall)	4	Elective		X	X				X		Notes/Book	F Kehagia, D Nalmpantis	fkehagia@civil.auth.gr dnalba@civil.auth.gr	1st Floor, Main Building of School of Engineering (Building A') 6th Floor, Main Building of School of Engineering (Building A')
52	TS4300	Project Management	8 (Spring)	5	Compulsory		X	X				X		Books/Notes/Other	I Xenidis	ioxen@civil.auth.gr	3rd Floor, Main Building of School of Engineering (Building A')
53	TS4400	Management Information Systems for Engineering Projects	8 (Spring)	3	Elective	X (conditional on number of students)		X				X		Notes/Ppt	I Xenidis	ioxen@civil.auth.gr	
54	TY0600	Engineering Hydrology	7 (Fall)	3	Elective (Compulsory for Hydraulics)	X (conditional on number of students)		X		X		X		Book/Notes	M Vafeiadis, Z Mallios, N Theodosiou	vmarios@civil.auth.gr	R217, 2nd Floor, Hydraulics Build
55	TY1100	Hydraulics of Groundwater Flows	8 (Spring)	3	Elective	X (conditional on number of students)	X	X		X		X		Ppt presentations	K Katsifarakis, N Theodosiou	klkats@civil.auth.gr	R209, 2nd Floor, Hydraulics Build
56	TY1700	Water Resources Management	9 (Fall)	5	Elective (Compulsory for Hydraulics)		X				X	X			E Kolokytha, I Mylopoulos, N. Theodosiou, Z Mallios	lpkol@civil.auth.gr niktheod@civil.auth.gr	R102, 1st Floor, Hydraulics Build
57	TY2000	Design and Construction of Ports	8 (Spring)	4	Elective (Compulsory for Hydraulics)		X	X	Exercises			X	Exercises submitted at end of semester	Electronic material (proposed references)	E Loukogeorgaki	eloukog@civil.auth.gr	R218, 2nd Floor, Hydraulics Build
58	TY2500	Hydraulics of open channels and Rivers	8 (Spring)	3	Elective				Exercises				Weekly exercises	Book	P Prinos, N Theodosiou	prinosp@civil.auth.gr niktheod@civil.auth.gr	R207, 2nd Floor, Hydraulics Build
59	TY2700	Coastal Oceanography	9 (Fall)	4	Elective		X	X				X		Electronic material (proposed references)	Th Karambas, I Krestenitis	ynkrest@civil.auth.gr karambas@civil.auth.gr	R213 & R210, 2nd Floor, Hydraulics Build
60	TY3200	Geothermal energy	9 (Fall)	4	Elective		X			X					K Katsifarakis	klkats@civil.auth.gr	
61	TY4200	Solid waste management	9 (Fall)	4	Elective		X			X					K Katsifarakis, A Kougkolas, E Ntarakas	klkats@civil.auth.gr	

62	TY4300	Groundwater Resources Exploitation and Protection	8 (Spring)	3	Elective		X	X			X	X			N Theodosiou	niktheod@civil.auth.gr	R102, 1st Floor, Hydraulics Build
63	TY4400	Environmental and Energy Policy in European Union	8 (Spring)	3	Elective		X	X				X			E Kolokytha, I Mylopoulos, A Kougkolos	lpcol@civil.auth.gr kungolos@civil.auth.gr	Hydraulics Bldg
64	TY4500	Marine Structures	9 (Fall)	4	Elective		X	X				X		Electronic material (proposed references)	E Loukogeorgaki	eloukog@civil.auth.gr	R218, 2nd Floor, Hydraulics Build
65	TY4600	Design of Water Supply and Sewerage systems	8 (Spring)	4	Elective (Compulsory for Hydraulics)			X				X	Weekly exercises	Notes/Ppts	P Prinos, A Zafirakou	prinosp@civil.auth.gr azafir@civil.auth.gr	R207, 2nd Floor, Hydraulics Build
66	TY4700	Environmental Impact Assessment	7 (Fall)	3	Elective (Compulsory for Hydraulics)		X				X			Notes	N Theodosiou, Th Karambas, Z Mallios, A Kougkolos	niktheod@civil.auth.gr	R102, 1st Floor, Hydraulics Build
67	TY4900	Water Quality Mathematical Models for Ecosystems	9 (Fall)	4	Elective		X	X				X		Electronic material (proposed references)	A Zafirakou	azafir@civil.auth.gr	R208, 2nd Floor, Hydraulics Bldg
68	TY5000	Coastal Protection Works and Coasts	8 (Spring)	3	Elective		X	X				X		Electronic material (proposed references)	Th Karambas	karambas@civil.auth.gr ynkrest@civil.auth.gr	R210 & R213, 2nd Floor, Hydraulics Build
69	TY5100	Water and Wastewater Treatment Engineering	9 (Fall)	4	Elective		X	X			X	X		Book	Antigoni Zafeirakou, Efthymios Darakas, Athanasios Kungolos	azafir@civil.auth.gr	R208, 2nd Floor, Hydraulics Bldg

Theses for Erasmus+ Students

Department of Civil Engineering AUTH

2021/10/20

No	Topic	Diploma Thesis	Semester	ECTS	Instructor responsible for the Thesis		
					Name	email	Office location
1	Building Materials, Concrete, Restoration of Concrete and masonry Buildings	Diploma Thesis	10	30	E Anastasiou	elan@civil.auth.gr	Ground floor, Main Building of School of Engineering
2		Diploma Thesis	10	30	Ch Georgiadis	harrisg@civil.auth.gr	1st Basement, Surveyors Building
3	Coastal engineering, Coastal protection, Harbour layout design, Climate change	Diploma Thesis	10	30	Th Karambas	karambas@civil.auth.gr	R210, 2nd Floor, Hydraulics Build
4	Groundwater hydraulics, low enthalpy geothermal energy, history of hydraulics	Diploma Thesis	10	30	K Katsifarakis	klkats@civil.auth.gr	R209, 2nd Floor, Hydraulics Building
5	Building Construction, Building Physics & Energy Efficiency of Buildings in Various Scales	Diploma Thesis	10	30	K-N Kontoleon	kontoleon@civil.auth.gr	Faculty of Engineering Building, Ground Floor
6		Diploma Thesis	10	30	M Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
7	Ocean engineering, Fluid - structure interaction, Design and analysis of offshore structures, Offshore wind turbines, Wave energy converters	Diploma Thesis	10	30	E Loukogeorgaki	eloukog@civil.auth.gr	R218, 2nd Floor, Hydraulics Build
8	Mechanics of materials, geomechanics	Diploma Thesis	10	30	E Papamichos	epapamic@civil.auth.gr	Main Enginrg Build, Basement
9		Diploma Thesis	10	30	KI Petroutsatou	kpetrout@civil.auth.gr	3rd Floor, School of Engineering Main Building
10	Foundation design and analysis, Geotechnical Earthquake Engineering	Diploma Thesis	10	30	D Pitilakis	dpitilakis@civil.auth.gr	Polytechnic Wing B (building 10b), Basement, Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
11	Transportation Planning/road safety/Public Transport	Diploma Thesis	10	30	I Politis	pol@civil.auth.gr	6th Floor, School of Engineering Main Building
12	Hydraulics, water supply systems, risk management, climate change	Diploma Thesis	10	30	P Prinos	prinosp@civil.auth.gr	R207, 2nd Floor, Hydraulics Build
13	Building physics and building energy performance	Diploma Thesis	10	30	Th Theodosiou	tgt@civil.auth.gr	Faculty of Engineering Building, Ground Floor
14	Building physics and building energy performance	Diploma Thesis	10	30	K Tsikaloudaki	Not offered in 2018-2020	Ground floor, Main Building of School of Engineering
15	Water and wastewater management, Surface water/oil spill modeling	Diploma Thesis	10	30	A Zafirakou	azafir@civil.auth.gr	R208, 2nd Floor, Hydraulics Build
16	Steel structures, Auminium structures, Sustainable design of metal structures	Diploma Thesis	10	30	E Efthymiou	vefth@civil.auth.gr	Insitute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
17	Steel structures, Composite buildings and bridges	Diploma Thesis	10	30	Th Nikolaidis	thnik@civil.auth.gr	Insitute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
18	Building Materials, mortars, bricks, wood, nano-modified materias, bio-fibres	Diploma Thesis	10	30	M Stefanidou	stefan@civil.auth.gr	Ground floor, Main Building of School of Engineering

19	Steel structures, Seismic design of steel structures, Special topics in steel structures (plates, fire, fatigue)	Diploma Thesis	10	30	E Koltsakis	mkolts@civil.auth.gr	Institute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
20	Transportation Systems/Road Safety/Transportation Economics/Accessibility for People with Disability	Diploma Thesis	10	30	D Nalmpantis	dnalba@civil.auth.gr	6th Floor, Main Building of School of Engineering (Building A')
21	Seismic Non-linear analysis of asymmetric reinforced concrete buildings. Non-linear Response History Analysis of Structures. Seismic non-linear Static analysis of buildings (pushover analysis).	Diploma Thesis	10	30	T Makarios	makariostr@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
22	Structural Analysis of Shell Structures. Structural analysis of Pneumatic Structures	Diploma Thesis	10	30	T Makarios	makariostr@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
23	Road safety, Sustainable highways	Diploma Thesis	10	30	F.Kehagia	fkehagia@civil.auth.gr	1st Floor, Main Building of School of Engineering (Building A')