

**Courses for Erasmus+ Students**  
**Department of Civil Engineering AUTH**

Last update : 2021-09-16

**Important Notice:**

For courses not listed below please contact the course instructors

68 = No of courses		ΣECTS = 280													Course Instructor		
No	Code	Course	Semester	ECTS	Compulsory	Instruction				Examination				Books/Notes/Other	Name	email	Office location
					Elective	Lectures	Independent study	Project	Other	Written Exam	Oral exam	Project	Other				
1	TE0100	Construction Materials I	1	6	Compulsory		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	6	Compulsory	X		X			X			Ernst Neufert (2003)	S Bagiouk	smpagiou@civil.auth.gr	R104, 1st Floor, Hydraulics Build
3	TE0400	Construction Materials II	2	6	Compulsory		X	X			X			Electronic material (papers, lectures presentations, proposed references)	El. Anastasiou	elan@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
4	TE0800	Structural analysis II	5	5	Compulsory		X					X			T. Makarios		
5	TE1100	Metal Structures I	6	5	Compulsory		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')
6	TE1200	Special Topics in Building Construction	8	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	TE1500	Metal Structures II	7	5	Compulsory		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')
8	TE1700	Energy-Saving Design in Buildings	9	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')
9	TE1800	Dynamics of Structures I	6	5	Compulsory		X	X			X	X		Book/Notes	A. Athanatopoulou	minak@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
10	TE2000	Numerical methods in structural analysis I	7	3	Elective (Compulsory for Structural engineering)										G Stefanou	gstefanou@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
11	TE2200	Composite buildings and bridges	8	3	Elective		X	X			X			Books/Notes/Other	Th. Nikolaidis	thnik@civil.auth.gr	Insitute of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
12	TE2300	Prestressed Concrete	8	4	Elective (Compulsory for Structural engineering)		X				X				Gr. Manoukas	grman@civil.auth.gr	Reinforced concrete Bldg
13	TE2400	Dynamics of Structures II	8	4	Elective (Compulsory for Structural engineering)		X	X			X	X		Book/Notes	A. Athanatopoulou	minak@civil.auth.gr	5th Floor, Main Building of School of Engineering (Building A')
14	TE2600	Concrete bridges	9	4	Elective										V Papanikolaou	billy@civil.auth.gr	Reinforced concrete Bldg
15	TE2900	Special topics in construction materials	8	3	Elective		X	X				X			M Stefanidou	stefan@civil.auth.gr	Ground floor, Main Building of School of Engineering (Building A')
16	TE3100	Seismic analysis and other specifics of Metal Structures Design	9	3	Compulsory		X	X			X			Books/Notes/Other	E. Koltsakis	mkolts@civil.auth.gr	Insitute of Metal Structures, 4th floor, Main Building of School of Engineering (Bldg. A')
17	TE3500	Fire Protection of Building Structures	8	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')
18	TE3700	Behavior and properties of reinforced concrete	9	4	Elective		X	X			X	X		Electronic material (papers, lectures presentations, proposed references)	El. Anastasiou	elan@civil.auth.gr	Ground floor / 4th floor, Main Building of School of Engineering (Building A')
19	TE4100	Restoration of concrete and masonry buildings	9	4	Elective										El Anastasiou, V Pachta	elan@civil.auth.gr	Ground floor / 4th floor, Main Building of School of Engineering (Building A')
20	TE4300	Elastoplastic analysis of structures	9	4	Elective		X	X			X			Books/Notes/Other	E Papamichos	epapamic@civil.auth.gr	Basement, Main Building of School of Engineering (Building A')
21	TE4200	Timber constructions	9	4	Elective			X				X		Electronic material (papers, lectures presentations, proposed references)	El. Anastasiou Ch. Giarma	elan@civil.auth.gr chgiarma@civil.auth.gr	Ground floor / 4th floor, Main Building of School of Engineering (Building A')
22	TE4400	Strength of Materials and Structural Elements I	2	6	Compulsory		X						Weekly exercises	Book	E Papamichos	epapamic@civil.auth.gr	4th floor, Main Building of School of Engineering (Building A')
23	TE4500	Strength of Materials and Structural Elements II	3	6	Compulsory		X						Weekly exercises	Book	K. Katakalos	kkatakal@civil.auth.gr	Basement, Main Building of School of Engineering (Building A')
24	TE4700	Engineering performance of materials	9	4	Elective										S Pardalopoulos	stylpard@gmail.com	Temporary instructor
25	TE5100	Structural Aluminium	8	3	Elective		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')
26	TF0300	Engineering Geology I	3	6	Compulsory		X						Weekly exercises	Notes/Ppt	E Mpakasis	bacasis@auth.gr	Main Enging Building- annex building, 2nd Floor
27	TF0500	Soil Mechanics I	5	5	Compulsory		X	X			X		Weekly exercises	Book/Notes	Th. Tika	tika@civil.auth.gr	Civil Engineering Wing, Basement
28	TF0900	Photogrammetry-Geoinformation Systems	8	3	Elective		X	X	X			X		Notes	M. Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
29	TF1100	Foundations- Retaining walls & Geotechnical Structures	8	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,
30	TF1700	Deep Excavations and Earth Retaining Structures	9	5	Elective (Compulsory for Geotechnical Engineering)	X		X			X	X		Notes/ppt	Ch. Anagnostopoulos, D. Pitilakis	anag@civil.auth.gr dpitilakis@civil.auth.gr	Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
31	TF2100	Geomatics	9	4											Paraskevas Savvaidis	psav@civil.auth.gr	
32	TF3500	Photointerpretation-Remote Sensing	9	4	Elective		X	X	X			X		Notes	Ch. Georgiadis, M Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
33	TF3600	Special issues of Photogrammetry	9	4	Elective		X	X	X			X		Notes	Ch. Georgiadis, M Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
34	TF3700	Geotechnical Earthquake Engineering	8	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,
35	TF3900	Landslides, Earth Cuts and Fills	9	4	Elective	X		X			X	X		Notes/ppt	Ch. Anagnostopoulos, Th. Tika	anag@civil.auth.gr tika@civil.auth.gr	Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
36	TFY003	Design and construction of dams	9	4	Elective		X	X				X			P. Prinos, Ch. Anagnostopoulos	prinos@civil.auth.gr anag@civil.auth.gr	R207, 2nd Floor, Hydraulics Build

37	TZ0300	Construction Equipment	7	3	Elective (Compulsory for specialization)			X			X		Book/Notes Ppts	Kl. Petroutsatou	<a href="mailto:kpetrout@civil.auth.gr">kpetrout@civil.auth.gr</a>	3rd Floor (next to the stairs), Main Building of School of Engineering (Building A')
38	TZ0400	Transportation Engineering	4	6	Compulsory								Book/Notes/Ppt	I. Politis	<a href="mailto:pol@civil.auth.gr">pol@civil.auth.gr</a>	6th Floor, Main Building of School of Engineering (Building A')
39	TZ0600	Traffic control	8	3	Elective									Georgios Georgiadis	<a href="mailto:ggeorgiadis@civil.auth.gr">ggeorgiadis@civil.auth.gr</a>	
40	TZ1200	Railway infrastructure	8	4	Elective (Compulsory for specialization)		X		X		X			Ch.Pyrgidis	<a href="mailto:pyrgidis@civil.auth.gr">pyrgidis@civil.auth.gr</a>	
41	TZ1500	Management of Construction Sites	9	5	Elective		X	X			X		Books/Notes/Other	I. Xenidis	<a href="mailto:ioxen@civil.auth.gr">ioxen@civil.auth.gr</a>	3rd Floor, Main Building of School of Engineering (Building A')
42	TZ1800	Transportation Economics	9	4	Elective	X		X		X	X		Book/Notes/Ppt	D Nalmpantis, G Palantzas	<a href="mailto:dnalba@civil.auth.gr">dnalba@civil.auth.gr</a> , <a href="mailto:palatzas@civil.auth.gr">palatzas@civil.auth.gr</a>	6th Floor, Main Building of School of Engineering (Building A')
43	TZ1900	Public Transportation	9	5	Elective (Compulsory for specialization)	X		X		X	X		Book/Notes/Ppt/Audio	G. Georgiadis	<a href="mailto:ggeorgiadis@civil.auth.gr">ggeorgiadis@civil.auth.gr</a>	
44	TZ2100	Transportation Systems	8	4	Elective (Compulsory for specialization)	X		X		X	X		Book/Notes/Ppt	D Nalmpantis, G Palantzas	<a href="mailto:dnalba@civil.auth.gr">dnalba@civil.auth.gr</a> , <a href="mailto:palatzas@civil.auth.gr">palatzas@civil.auth.gr</a>	
45	TZ2200	Construction Management	7	5	Compulsory			X			X		Book/Notes Ppts	G. Aretoulis	<a href="mailto:garet@civil.auth.gr">garet@civil.auth.gr</a>	3rd floor, Main Building of School of Engineering (Building A')
46	TZ2400	Urban and regional planning and development	2	6	Compulsory	Max 3 erasmus students								Athina Giannakou	<a href="mailto:adgianna@plandevl.auth.gr">adgianna@plandevl.auth.gr</a>	
47	TZ3000	Transportation Planning	7	4	Compulsory		X	X	X		X		Book/Notes/Ppt	I. Politis	<a href="mailto:pol@civil.auth.gr">pol@civil.auth.gr</a>	6th Floor, Main Building of School of Engineering (Building A')
48	TZ3400	Management of Construction Companies	8	3	Elective			X			X		Book/Notes Ppts	Kl. Petroutsatou	<a href="mailto:kpetrout@civil.auth.gr">kpetrout@civil.auth.gr</a>	3rd Floor, Main Building of School of Engineering (Building A')
49	TZ3900	Regional Development II	9	4	Elective	X		X			X		Book/Ppt	D Nalmpantis, G Palantzas	<a href="mailto:dnalba@civil.auth.gr">dnalba@civil.auth.gr</a> , <a href="mailto:palatzas@civil.auth.gr">palatzas@civil.auth.gr</a>	6th Floor, Main Building of School of Engineering (Building A')
50	TZ4100	Road Safety	9	4	Elective		X	X			X		Notes/Book	F. Kehagia	<a href="mailto:fkehagia@civil.auth.gr">fkehagia@civil.auth.gr</a>	1st Floor, Main Building of School of Engineering (Building A')
51	TZ4300	Project Management	8	5	Compulsory		X	X			X		Books/Notes/Other	I Xenidis	<a href="mailto:ioxen@civil.auth.gr">ioxen@civil.auth.gr</a>	3rd Floor, Main Building of School of Engineering (Building A')
52	TZ4400	Management Information Systems for Engineering Projects	8	3	Elective	X (conditional on number of students)		X			X		Notes/Ppt	I Xenidis	<a href="mailto:ioxen@civil.auth.gr">ioxen@civil.auth.gr</a>	3rd Floor, Main Building of School of Engineering (Building A')
53	TY0600	Engineering Hydrology	7	3	Elective (Compulsory for specialization)	X (conditional on number of students)		X		X	X		Book/Notes	M. Vafeiadis, Z Mallios, N Theodosiou	<a href="mailto:vmarios@civil.auth.gr">vmarios@civil.auth.gr</a>	R217, 2nd Floor, Hydraulics Build
54	TY1100	Hydraulics of Groundwater Flows	8	3	Elective	X (conditional on number of students)	X	X		X	X		Ppt presentations	K. Katsifarakis, N Theodosiou	<a href="mailto:klkats@civil.auth.gr">klkats@civil.auth.gr</a>	R209, 2nd Floor, Hydraulics Build
55	TY1700	Water Resources Management	9	5	Elective (Compulsory for specialization)		X			X	X			E Kolokytha, I Mylopoulos, N. Theodosiou, Z Mallios	<a href="mailto:lpkol@civil.auth.gr">lpkol@civil.auth.gr</a> , <a href="mailto:niktheod@civil.auth.gr">niktheod@civil.auth.gr</a>	R102, 1st Floor, Hydraulics Build
56	TY2000	Design and Construction of Ports	8	4	Elective (Compulsory for specialization)		X	X	Exercises		X	Exercises submitted at end of semester	Electronic material (proposed references)	E. Loukogeorgaki	<a href="mailto:eloukog@civil.auth.gr">eloukog@civil.auth.gr</a>	R218, 2nd Floor, Hydraulics Build
57	TY2500	Hydraulics of open channels and Rivers	8	3	Elective				Exercises			Weekly exercises	Book	P. Prinos, M Vafeiadis, N Theodosiou	<a href="mailto:prinosp@civil.auth.gr">prinosp@civil.auth.gr</a> , <a href="mailto:vmarios@civil.auth.gr">vmarios@civil.auth.gr</a> , <a href="mailto:niktheod@civil.auth.gr">niktheod@civil.auth.gr</a>	R207, 2nd Floor, Hydraulics Build
58	TY2700	Coastal Oceanography	9	4	Elective		X	X			X		Electronic material (proposed references)	Th. Karambas, I krestenitis	<a href="mailto:karambas@civil.auth.gr">karambas@civil.auth.gr</a>	R213 & R210, 2nd Floor, Hydraulics Build
59	TY3200	Geothermal energy	9	4	Elective		X			X				K. Katsifarakis	<a href="mailto:klkats@civil.auth.gr">klkats@civil.auth.gr</a>	
60	TY4200	Waste treatment technology	9	4	Elective		X			X				E Ntarakas, K. Katsifarakis, A Kougkolos	<a href="mailto:klkats@civil.auth.gr">klkats@civil.auth.gr</a>	
61	TY4300	Groundwater Resources Exploitation and Protection	8	3	Elective		X	X		X	X			N. Theodosiou	<a href="mailto:niktheod@civil.auth.gr">niktheod@civil.auth.gr</a>	R102, 1st Floor, Hydraulics Build
62	TY4400	Environmental and Energy Policy in European Union	8	3	Elective		X	X			X			E Kolokytha, I Mylopoulos, A Kougkolos	<a href="mailto:lpkol@civil.auth.gr">lpkol@civil.auth.gr</a> , <a href="mailto:kungolos@civil.auth.gr">kungolos@civil.auth.gr</a>	Hydraulics Bldg
63	TY4500	Marine Structures	9	4	Elective		X	X			X		Electronic material (proposed references)	E. Loukogeorgaki	<a href="mailto:eloukog@civil.auth.gr">eloukog@civil.auth.gr</a>	R218, 2nd Floor, Hydraulics Build
64	TY4600	Design of Water Supply and Sewerage systems	8	4	Elective (Compulsory for specialization)			X			X	Weekly exercises	Notes/Ppts	P. Prinos, A Zafeirakou	<a href="mailto:prinosp@civil.auth.gr">prinosp@civil.auth.gr</a> , <a href="mailto:azafir@civil.auth.gr">azafir@civil.auth.gr</a>	R207, 2nd Floor, Hydraulics Build
65	TY4700	Environmental Impact Assessment	7	3	Elective (Compulsory for specialization)		X			X			Notes	N. Theodosiou, Th Karambas, Z Mallios, A Kougkolos	<a href="mailto:niktheod@civil.auth.gr">niktheod@civil.auth.gr</a>	R102, 1st Floor, Hydraulics Build
66	TY4900	Water Quality Mathematical Models for Ecosystems	9	4	Elective		X	X			X		Electronic material (proposed references)	A. Zafirakou	<a href="mailto:azafir@civil.auth.gr">azafir@civil.auth.gr</a>	
67	TY5000	Coastal Protection Works and Coasts	8	3	Elective		X	X			X		Electronic material (proposed references)	Th. Karambas	<a href="mailto:karambas@civil.auth.gr">karambas@civil.auth.gr</a> , <a href="mailto:ynkrest@civil.auth.gr">ynkrest@civil.auth.gr</a>	R210 & R213, 2nd Floor, Hydraulics Build
68	TY5100	Water and Wastewater Treatment Engineering	9	4	Elective		X	X		X	X		Book	E Ntarakas, A Kougkolos, A. Zafirakou	<a href="mailto:azafir@civil.auth.gr">azafir@civil.auth.gr</a>	R208, 2nd Floor, Hydraulics Bldg

## Theses for Erasmus+ Students

### Department of Civil Engineering AUTH

2020-01-28

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	El. Anastasiou	elan@civil.auth.gr	Ground floor, Main Building of School of Engineering
2		Diploma Thesis	10	30	Chr. 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	Coastal engineering, Coastal oceanography, Design of outfalls, Storm Surges & Climate Change, Modeling of marine environment	Diploma Thesis	10	30	Y. Krestenitis	ynkrest@civil.auth.gr	R213, 2nd Floor, Hydraulics Build
7		Diploma Thesis	10	30	M. Lazaridou	lazamari@civil.auth.gr	Surveyors' Building, 2nd floor
8	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
9	Mechanics of materials, geomechanics	Diploma Thesis	10	30	E. Papamichos	epapamic@civil.auth.gr	Main Enginrg Build, Basement
10		Diploma Thesis	10	30	Kl. Petrousatou	kpetrout@civil.auth.gr	3rd Floor, School of Engineering Main Building
11	Foundation design and analysis, Geotechnical Earthquake Engineering	Diploma Thesis	10	30	D. Pitolakis	dpitolakis@civil.auth.gr	Polytechnic Wing B (building 10b), Basement, Lab of Soil Mechanics, Foundations and Geotechnical Earthquake Engineering
12	Transportation Planning/road safety/Public Transport	Diploma Thesis	10	30	I. Politis	pol@civil.auth.gr	6th Floor, School of Engineering Main Building
13	Hydraulics, water supply systems, risk management, climate change	Diploma Thesis	10	30	P. Prinos	prinosp@civil.auth.gr	R207, 2nd Floor, Hydraulics Build
14	Building physics and building energy performance	Diploma Thesis	10	30	Th. Theodosiou	tgt@civil.auth.gr	Faculty of Engineering Building, Ground Floor
15	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
16	Water supply systems and sewage, water quality, oil spill modeling	Diploma Thesis	10	30	A. Zafirakou	azafir@civil.auth.gr	R208, 2nd Floor, Hydraulics Build
17	Steel structures, Aluminium structures, Sustainable design of metal structures	Diploma Thesis	10	30	E. Efthymiou	vefth@civil.auth.gr	Institute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
18	Steel structures, Composite buildings and bridges	Diploma Thesis	10	30	Th. Nikolaidis	thnik@civil.auth.gr	Institute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
19	Building Materials, mortars, bricks, wood, nano-modified materials, bio-fibres	Diploma Thesis	10	30	M. Stefanidou	stefan@civil.auth.gr	Ground floor, Main Building of School of Engineering

20	Steel structures, Seismic design of steel structures, Special topics in steel structures (plates, fire, fatigue)	Diploma Thesis	10	30	E. Koltsakis	<a href="mailto:mkolts@civil.auth.gr">mkolts@civil.auth.gr</a>	Institute of Metal Structures, 4th floor, Main Building of School of Engineering (Building A')
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