Study Programme

Academic year 2021-2022

Faculty of Engineering and Architecture

Bridging Programme Master of Science in Civil Engineering

Language of instruction: English

Programme version 6

1 General Courses | 73 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E001161	Mathematic Models [nl]	6	BRUG	1	A:1	180
		Denis Constales -- Department of Electronics and Information Systems					
2	E046010	Soil Mechanics [nl]	3	BRUG	1	B:1	90
		Wim Haegeman -- Department of Civil Engineering					
3	E044940	FEM and Constitutive Material Laws in Structural Engineering	3		1	B:1	90
		Diego Lorenzo Allaix -- Department of Structural Engineering and Building Materials					
4	E040661	Structural Dynamics	5		1	B:1	150
		Mia Loccufier -- Department of Electromechanical, Systems and Metal Engineering					
5	E045621	Groundwater and Contaminant Flow	3		1	D:1	90
		Herman Peiffer -- Department of Civil Engineering					
6	E045860	Water Management and Environment	5		1	B:1	150
		Tom De Mulder -- Department of Civil Engineering					
7	E044120	Structural Analysis I [nl]	3	BRUG	1	B:2	90
		Robby Caspeele -- Department of Structural Engineering and Building Materials					
8	E045411	Hydraulics [nl]	3	BRUG	1	B:2	90
		Tom De Mulder -- Department of Civil Engineering					
9	E052621	Concrete Structures: Prestressed Concrete and Slabs	4		1	B:2	120
		Roman Wan-Wendner -- Department of Structural Engineering and Building Materials					
10	E054820	Inland Waterways and Locks	4		1	D:2	120
		Tom De Mulder -- Department of Civil Engineering					
11	E052210	Geotechnics	5		1	B:2	150
		Bruno Stuyts -- Department of Civil Engineering					
12	E053560	Specialised Road Engineering and Mobility	4		1	C:2	120
		Pieter De Winne -- Department of Civil Engineering					
13	E044311	Structural Stability	6		2	A:1	180
		Robby Caspeele -- Department of Structural Engineering and Building Materials					
14	E050923	Structural Reliability and Risk Analysis	4		2	A:2	120
		Robby Caspeele -- Department of Structural Engineering and Building Materials					
15	E054920	Coastal Engineering and Harbour Construction	6		2	B:1	180
		Peter Troch -- Department of Civil Engineering					
16	E044821	Advanced Bridge and Tunnel Engineering	6		2	A:1	180
		Hans De Backer -- Department of Civil Engineering					
17	E050100	Design of Civil Structures	3		2	B:2	90
		Bart De Pauw -- Department of Civil Engineering					

2 Elective Courses | 23 credits

Subscribe to 23 credit units elective courses. Subject to approval by the faculty.
Divided as follows:
- 20 credit units from module 2 from the programme of Master of Science in Civil Engineering (choose from module 2.1 Major Dredging and Offshore Engineering, module 2.2 Major Construction Design, module 2.3 Minor Operations Management)
- 3 credit units from module 3 from the programme of Master of Science in Civil Engineering. Pay attention: only technical electives can be choosen (module 3.1 Elective Courses Civil Engineering or technical electives from module 3.3 Elective Courses Ghent University), or an internship from module 3.2 Elective Social Courses.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E091103	Master's Dissertation	24		2	B:J	720

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025