

Faculty of Engineering and Architecture
Master of Science in Civil Engineering

Language of instruction: Dutch

Programme version 17

1 General Courses 89 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E045621 Groundwater and Contaminant Flow Herman Peiffer -- Department of Civil Engineering	4		1	A:1	120
2	E044311 Structural Stability Robby Caspeelee -- Department of Structural Engineering and Building Materials	6		1	B:1	180
3	E052621 Concrete Structures: Prestressed Concrete and Slabs Roman Wan-Wendner -- Department of Structural Engineering and Building Materials	6		1	C:2	180
4	E040661 Structural Dynamics Mia Loccupier -- Department of Electromechanical, Systems and Metal Engineering	5		1	A:1	150
5	E054820 Inland Waterways and Locks Tom De Mulder -- Department of Civil Engineering	6		1	A:2	180
6	E052210 Geotechnics Mahya Roustaei -- Department of Civil Engineering	5		1	A:2	150
7	E053560 Specialised Road Engineering and Mobility Pieter De Winne -- Department of Civil Engineering	5		1	A:2	150
8	E044940 FEM and Constitutive Material Laws in Structural Engineering Diego Lorenzo Allaix -- Department of Structural Engineering and Building Materials	3		1	A:1	90
9	E045860 Water Management and Environment Tom De Mulder -- Department of Civil Engineering	5		1	A:1	150
10	E054920 Coastal Engineering and Harbour Construction Peter Troch -- Department of Civil Engineering	6		1	A:1	180
11	E050923 Structural Reliability and Risk Analysis Robby Caspeelee -- Department of Structural Engineering and Building Materials	4		1	B:2	120
12	E065480 Life Cycle Assessment of Materials and Structures Nele De Belie -- Department of Structural Engineering and Building Materials	3		1	B:2	90
13	E076820 Project Management Mario Vanhoucke -- Department of Business Informatics and Operations Management	6		2	C:2	180
14	E052630 Prefabricated Concrete Constructions Stijn Matthys -- Department of Structural Engineering and Building Materials	3		2	B:1	90
15	E055120 Introduction to Ships and Marine Technology Evert Lataire -- Department of Civil Engineering	4		2	B:1	120
16	E005741 Simulation of Stochastic Systems Stijn De Vuyst -- Department of Industrial Systems Engineering and Product Design	6		2	B:1	180
17	E050100 Design of Civil Structures Bart De Pauw -- Department of Civil Engineering	3		2	A:2	90
18	E053620 Railroads Jan Mys -- Department of Civil Engineering	3		2	A:2	90
19	E044821 Advanced Bridge and Tunnel Engineering Hans De Backer -- Department of Civil Engineering	6		2	B:1	180

2 Elective Courses 7 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
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1	E099300	Industry Internship Engineering and Architecture [en, nl] Patrick Segers -- Department of Electronics and Information Systems	6		A:J	180
2	E098010	Integrated Portfolio [en, nl] Hiep Luong -- Department of Telecommunications and Information Processing	6		A:J	180
3	E098010	Integrated Portfolio [en, nl] Hiep Luong -- Department of Telecommunications and Information Processing	3		B:J	90
4	E037810	Safety of Electrical and Mechanical Installations Jos Knockaert -- Department of Electromechanical, Systems and Metal Engineering	3		A:2	90
5	E039060	Sustainable Energy and Rational Use of Energy [en] Jeroen Beeckman -- Department of Electronics and Information Systems	4		A:2	120
6	E078310	Sustainable Use of Materials: Metals Kim Verbeken -- Department of Materials, Textiles and Chemical Engineering	3		A:1	90
7	E078320	Sustainable Use of Materials: Plastics and Derived Materials Lode Daelemans -- Department of Materials, Textiles and Chemical Engineering	3		A:2	90
8	E078010	Technology and Environment [en] Luc Martens -- Department of Information Technology	3		A:1	90
9	E078752	Water and Air Quality Management [en] Joris Thybaut -- Department of Materials, Textiles and Chemical Engineering	4		A:2	120
10	E092100	Biosystems Pascal Verdonck -- Department of Electronics and Information Systems	3		A:1	90
11	E075310	Ethics, Engineering and Society Seppe Segers -- Department of Philosophy and Moral Sciences	3		A:2	90
12	C004009	History and Philosophy of Sciences Maarten Van Dyck -- Department of Philosophy and Moral Sciences	3		A:1	90
13	E076320	The Information Society and ICT Erik Mannens -- Department of Electronics and Information Systems	3		A:2	90
14	A001900	Introduction to Psychology Wim Notebaert -- Department of Experimental Psychology	3		A:1	90
15	H001977	Coaching and Diversity Elisabeth De Schauwer -- Department of Special Education	3	UKV	A:J	90
16	A005503	Context and Nuance. A Critical Reflection on Current Topics Stef Craps -- Department of Literary Studies	6	UKV	A:1	180
17	E076450	Basic Entrepreneurship	3	UKV	A:1	90
18	A005646	Introduction to Corporate Law Diederik Bruloot -- Department of Interdisciplinary Study of Law, Private Law and Business Law	3		A:1	90
19	E076460	Dare to Venture [en] Johan Verrue -- Department of Marketing, Innovation and Organisation	4		A:2	120
20	E076471	Dare to Start [en] Frank Gielen -- Department of Information Technology	3		A:2	90
21	E076621	Principles of Law and Construction Law Jelle Laverge -- Department of Architecture and Urban Planning	3		A:1	90
22	E076951	Engineering Economy [en] Sofie Verbrugge -- Department of Information Technology	6		A:1	180
23	E076431	Introduction to Entrepreneurship [en] Petra Andries -- Department of Marketing, Innovation and Organisation	3		A:1	90
24	H002169	Powerful Learning Environments Bram De Wever -- Department of Educational Studies	6		A:1	180
25	H002196	Classroom Management and Reflection Melissa Tuytens -- Department of Educational Studies	4		A:2	120
26	H002197	The Teacher within School and Society Melissa Tuytens -- Department of Educational Studies	4		A:1	120
27	H002198	Psychology of Adolescence Wim Beyers -- Department of Developmental, Personality and Social Psychology	4		A:1	120
28	F000083	Macroeconomics Freddy Heylen -- Department of Economics	6		A:1	180
29	H001010	Introduction Industrial Psychology Bart Wille -- Department of Developmental, Personality and Social Psychology	5		A:2	150

30	F000551	Business Skills [en] Mieke Audenaert -- Department of Marketing, Innovation and Organisation	4		C:2	120
31	A003001	Academic English [en] Geert Jacobs -- Department of Linguistics	3	UKV	B:1, A:2	90
32	E075800	Communication Leen Pollefliet -- Department of Information Technology	3		A:1	90

3 Master's Dissertation 24 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E091103 Master's Dissertation	24		2	A: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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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 is 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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028