

Faculty of Engineering and Architecture

Bridging Programme Master of Science in Engineering: Ships and Marine Technology

Language of instruction: English

Programme version 1

## 1 General Courses 93 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E001161 <b>Mathematic Models</b> <i>Karel Van Acoleyen -- Department of Electronics and Information Systems</i>	6	BRUG	1	A:1	180
2	E005020 <b>Analysis of Systems and Signals [nl]</b> <i>Gert De Cooman -- Department of Electronics and Information Systems</i>	3	BRUG	1	B:1	90
3	E036500 <b>Electrical Machines [nl]</b> <i>Luc Dupré -- Department of Electromechanical, Systems and Metal Engineering</i>	6	BRUG	1	A:1	180
4	E044311 <b>Structural Stability</b> <i>Robby Caspeele -- Department of Structural Engineering and Building Materials</i>	3		1	C:1	90
5	E045280 <b>Computational Fluid Dynamics</b> <i>Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	A:1	90
6	E900069 <b>Composites</b> <i>Wim Van Paepegem -- Department of Materials, Textiles and Chemical Engineering</i>	6		1	A:1	180
7	E048500 <b>Thermal Machines</b> <i>Sebastian Verhelst -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:2	180
8	E048100 <b>Fluid Machines</b> <i>Joris Degroote -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:1	180
9	E055020 <b>Marine Hydrostatics and Stability</b> <i>Evert Lataire -- Department of Civil Engineering</i>	6		1	A:1	180
10	E056600 <b>Construction Techniques</b> <i>Wim De Waele -- Department of Electromechanical, Systems and Metal Engineering</i>	3		1	B:2	90
11	E048600 <b>Vibrations and Signals</b> <i>Mia Locuffier -- Department of Electromechanical, Systems and Metal Engineering</i>	6		1	A:2	180
12	E044666 <b>Offshore Structures</b> <i>Andreas Kortenhaus -- Department of Civil Engineering</i>	3		1	B:2	90
13	E055070 <b>Ship and Marine Structures</b> <i>Philippe Rigo -- Department of Civil Engineering</i>	6		1	A:2	180
14	E055080 <b>Ship Resistance and Propulsion</b> <i>Guillaume Delefortrie -- Department of Civil Engineering</i>	6		1	A:2	180
15	E044671 <b>Offshore Foundations</b> <i>Bruno Stuyts -- Department of Civil Engineering</i>	3		2	B:1	90
16	E055060 <b>Ship Manoeuvring and Seakeeping Behaviour of Floating Structures</b> <i>Guillaume Delefortrie -- Department of Civil Engineering</i>	6		2	A:1	180
17	E029800 <b>Domain-Specific Research Skills</b> <i>Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering</i>	3		2	A:1	90
18	E029700 <b>General Research Skills</b> <i>Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering</i>	3		2	A:1	90
19	E055320 <b>Ship Behaviour in Shallow and Confined Water</b> <i>Guillaume Delefortrie -- Department of Civil Engineering</i>	3		2	A:2	90
20	E055090 <b>Ship Design Project</b> <i>Guillaume Delefortrie -- Department of Civil Engineering</i>	6		2	A:J	180

## 2 Elective Courses

Subscribe to 3 ECTS from the elective courses in the Master of Science in Engineering: Ships and Marine Technology. Subject to approval by the faculty.

## 3 Master's Dissertation

24 credits

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 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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030