

Study Programme

Academic year 2022-2023

Faculty of Engineering and Architecture

Master of Science in Electromechanical Engineering -- Mechanical Energy Engineering

Language of instruction: Dutch

Programme version 12

1 E036130 Controlled Electrical Drives Frederic Me Belle - Department of Electromechanical, Systems and Netal Engineering Frederic Me Belle - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, Systems and Metal Engineering Sebastical Nethests - Department of Electromechanical, S	Genera	Courses	ourses 90 credit				
Frederik De Belle - Department of Electromechanical, Systems and Metal Engineering E037121 Displacement Pumps, Compressors and IC Engine Fundamentals	Ir Course		CRDT	Ref MT1	Session	Study	
Sebstian Verheist - Department of Electromechanical, Systems and Metal Engineering 1 EO19331 ICT and Mechatronics dializative Crevecus - Department of Electromechanical, Systems and Metal Engineering 2 EO40621 Manufacturing Planning and Control Bitger Ras - Department of Industrial Systems Engineering and Product Design 3 EO40670 Mechanical Vibrations 6 1 A.:2 1 5 EO40670 Mechanical Vibrations 6 1 A.:2 1 5 EO40670 Mechanical Vibrations 6 1 A.:1 1 6 EO37321 Turbornachines 7 Department of Electromechanical, Systems and Metal Engineering 7 EO35421 Sustainable Energy 7 Ann Nertens - Department of Electromechanical, Systems and Metal Engineering 8 EO32322 Sensor Based Measurement Systems 8 EO32322 Sensor Based Measurement Systems 8 EO32322 Sensor Based Measurement Systems 8 E032322 Sensor Based Measurement Systems 8 EO30520 Power Electronics 8 Herbert Despartment of Electromechanical, Systems and Metal Engineering 8 EO30520 Power Electronics 8 Herbert Despartment of Electromechanical, Systems and Metal Engineering 8 EO30520 Power Electronics 8 Hendrik Vansompet - Department of Electromechanical, Systems and Metal Engineering 9 EO30520 Materials Selection in Mechanical Design 8 Stip Herbert 8 - Department of Electromechanical, Systems and Metal Engineering 9 EO30520 Materials Selection in Mechanical Systems and Metal Engineering 9 EO30520 Materials Selection in Mechanical Systems and Metal Engineering 9 EO30520 Manufacturing and Total Quality Assurance 8 Electromechanical, Systems and Metal Engineering 9 EO30520 Manufacturing and Total Quality Assurance 8 Electromechanical, Systems and Metal Engineering 9 EO30520 Electronic Bettertomechanical, Systems and Metal Engineering 9 EO30520 Electronic Bettertomechanical, Systems and Metal Engineering 9 EO30520 Electronic Electromechanical, Systems and Metal Engineering 9 EO30520 Electronic Electromechanical Systems and Metal Engineering 9 EO30520 Electronic Electromechanical Systems and Metal Engineering 9 EO30520 Electronic Electromechanical Systems and Metal Engineer	E036130		6	1	A:1	180	
Guillaume Crevecoeur Department of Electromechanical, Systems and Metal Engineering Bird Bi	E037121		6	1	B:1	180	
Birger Raa - Department of Industrial Systems Engineering and Product Design	E019331		6	1	B:2	180	
Mia Locculier Department of Electromechanical, Systems and Metal Engineering 7 E035421 Turbomachines	E076221		6	1	B:1	180	
Sustainable Energy 3	E040670		6	1	A:2	180	
San Mertens Department of Electromechanical, Systems and Metal Engineering	E037321		6	1	A:1	180	
Herbert De Smet Department of Electronics and Information Systems Signature Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering Safety of Electrical and Mechanical Installations Stops Mockaert Department of Electromechanical, Systems and Metal Engineering Safety of Electrical and Mechanical Installations Stops Mockaert Department of Electromechanical, Systems and Metal Engineering Stops Degroate Department of Electromechanical, Systems and Metal Engineering Stops Degroate Department of Electromechanical, Systems and Metal Engineering Stops Degroate Department of Electromechanical, Systems and Metal Engineering Stops Degroate Department of Electromechanical, Systems and Metal Engineering Stops Degroate Department of Electronics and Information Systems Stops Degroate Department of Electronics and Information Systems Stops Degroate Department of Electronics and Information Systems Stops Degroatment of Electronics and Metal Engineering	E035421		3	1	B:1	90	
Hendrik Vansompel Department of Electromechanical, Systems and Metal Engineering 10 E043070 Materials Selection in Mechanical Design 6 1 A:2 1 Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering 11 E056600 Construction Techniques Wim De Waele Department of Electromechanical, Systems and Metal Engineering 12 E060122 Manufacturing and Total Quality Assurance Wim De Waele Department of Electromechanical, Systems and Metal Engineering 13 E037810 Safety of Electrical and Mechanical Installations Jos Knockaert Department of Electromechanical, Systems and Metal Engineering 14 E045240 Computational Fluid Dynamics Joris Degraote Department of Electromechanical, Systems and Metal Engineering 15 E005220 Linear Systems Arthur Van Camp Department of Electronics and Information Systems Introduction to Maritime Technology Evert Lataire Department of Civil Engineering 17 E055030 General Arrangement, Structural Arrangements and Construction of Maritime Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	E032322	·	3	1	B:2	90	
Stijn Hertelé Department of Electromechanical, Systems and Metal Engineering 11 E056600 Construction Techniques Wim De Waele Department of Electromechanical, Systems and Metal Engineering 12 E060122 Manufacturing and Total Quality Assurance Wim De Waele Department of Electromechanical, Systems and Metal Engineering 13 E037810 Safety of Electrical and Mechanical Installations Jos Knockaert Department of Electromechanical, Systems and Metal Engineering 14 E045240 Computational Fluid Dynamics Joris Degroote Department of Electromechanical, Systems and Metal Engineering 15 E005220 Linear Systems Arthur Van Camp Department of Electronics and Information Systems 16 E055045 Introduction to Maritime Technology Evert Lataire Department of Civil Engineering 17 E055030 General Arrangement, Structural Arrangements and Construction of Marine Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	E030520		3	1	B:2	90	
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Jos Knockaert Department of Electromechanical, Systems and Metal Engineering 14 E045240 Computational Fluid Dynamics 6 2 B:2 1 Joris Degroote Department of Electromechanical, Systems and Metal Engineering 15 E005220 Linear Systems 6 2 B:2 1 Arthur Van Camp Department of Electronics and Information Systems 16 E055045 Introduction to Maritime Technology 6 2 B:1 1 Evert Lataire Department of Civil Engineering 17 E055030 General Arrangement, Structural Arrangements and Construction of Marine Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	2 E060122	•	6	2	B:1	180	
Joris Degroote Department of Electromechanical, Systems and Metal Engineering Linear Systems 6 2 B:2 1 Arthur Van Camp Department of Electronics and Information Systems Introduction to Maritime Technology 6 2 B:1 1 Evert Lataire Department of Civil Engineering General Arrangement, Structural Arrangements and Construction of Marine Structures Philippe Rigo Department of Civil Engineering Begin of Maritime Structures Evert Lataire Department of Civil Engineering	3 E037810	•	3	2	A:2	90	
Arthur Van Camp Department of Electronics and Information Systems 16 E055045 Introduction to Maritime Technology 6 2 B:1 1 Evert Lataire Department of Civil Engineering 17 E055030 General Arrangement, Structural Arrangements and Construction of 6 2 A:2 1 Marine Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	4 E045240		6	2	B:2	180	
Evert Lataire Department of Civil Engineering 17 E055030 General Arrangement, Structural Arrangements and Construction of 6 2 A:2 1 Marine Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	5 E005220	•	6	2	B:2	180	
Marine Structures Philippe Rigo Department of Civil Engineering 18 E054670 Design of Maritime Structures Evert Lataire Department of Civil Engineering	6 E055045		6	2	B:1	180	
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16-06-2025 18:43 p 1

Michel De Paepe -- Department of Electromechanical, Systems and Metal Engineering

2.1 Master's Dissertation

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 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 2023-2024 f: annually, from 2024-2025 i: annually, from 2025-2026 b: tri-annually d: bi-annually, from 2023-2024 g: bi-annually, from 2024-2025 j: bi-annually, from 2025-2026 e: tri-annually, from 2023-2024 h: tri-annually, from 2024-2025 k: tri-annually, from 2025-2026

16-06-2025 18:43 p 2