

Domain-Specific Research Skills (E029800)

Course size *(nominal values; actual values may depend on programme)*

Credits 3.0 **Study time 90 h**

Course offerings in academic year 2026-2027

A (semester 1)	English	Gent
B (semester 1)	Dutch	Gent

Lecturers in academic year 2026-2027

De Paepe, Michel	TW08	lecturer-in-charge
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Offered in the following programmes in 2026-2027

	crdts	offering
Bridging Programme Master of Science in Electromechanical Engineering(main subject Maritime Engineering)	3	A
Bridging Programme Master of Science in Engineering: Ships and Marine Technology	3	A
Bridging Programme Master of Science in Mechanical and Electrical Systems Engineering	3	A
Master of Science in Electromechanical Engineering(main subject Maritime Engineering)	3	B
Master of Science in Electromechanical Engineering(main subject Maritime Engineering)	3	A
Master of Science in Electromechanical Engineering	3	B
Master of Science in Engineering: Ships and Marine Technology	3	B
Master of Science in Engineering: Ships and Marine Technology	3	A
Master of Science in Mechanical and Electrical Systems Engineering	3	A

Teaching languages

English, Dutch

Keywords

Research methodology for a specific field, literature review, research objectives, research project-management

Position of the course

This course allows supervisors to prepare students for the master thesis in their research field of specialisation.

Contents

- Introductory courses on
 - Error analysis
 - Experimental techniques and Design of Experiments
 - Simulation tools
- In depth courses on specialized research topics
- Reading of relevant research papers on advanced research topics
- Literature research and review on advanced research topics
- Research objective formulation

Initial competences

- Basic research competences
- In depth knowledge of the courses related to the pillar(s) of the educational programme

Final competences

- 1 Be able to write a literature review on an advanced research topic
- 2 Be able to make a research planning
- 3 Be able to formulate research objectives

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Seminar, Lecture

Extra information on the teaching methods

This course is taught in the last 6 weeks of the semester.

Study material

Type: Slides

Name: Slides

Indicative price: Free or paid by faculty

Optional: no

References**Course content-related study coaching**

Interactive support by thesis promotor and team.

Assessment moments

continuous assessment

Examination methods in case of periodic assessment during the first examination period**Examination methods in case of periodic assessment during the second examination period****Examination methods in case of permanent assessment**

Assignment

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

- Uploading list of relevant literature on Ufora
- Handing in of strawmans draft for the literature review
- Handing in of literature study on selected topic

Calculation of the examination mark

The first two assignments are scored on 10/20 the literature review on 10/20.