GHENT UNIVERSITY

Study Programme

Academic year 2023-2024

Faculty of Engineering and Architecture

Preparatory Course Master of Science in Engineering Physics

Language of instruction: Dutch

Programme version 3

1 General Courses

1.1 General Courses recommended by the Faculty Board — 30 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E001810	Mathematical Tools in Engineering: Linear Algebra *Srdan Lazendic -- Department of Electronics and Information Systems*	3		1	A:2	90
2	E001820	Mathematical Tools in Engineering: Complex Analysis *Hennie De Schepper -- Department of Electronics and Information Systems*	3		1	A:1	90
3	E020310	Physics III *Louis Vanduyfhuys -- Department of Applied Physics*	6		1	A:2	180
4	E040050	Theoretical Mechanics I *Dimitri Van Neck -- Department of Physics and Astronomy*	6		1	A:1	180
5	E021110	Materials and Fields *Jeroen Beeckman -- Department of Electronics and Information Systems*	6		1	A:2	180
6	E023010	Quantum Mechanics I *Louis Vanduyfhuys -- Department of Applied Physics*	6		1	A:2	180

1.2 General Courses according to diploma

Subscribe to no more than 60 credit units from the Bachelor of Science, main subject Engineering Physics, depending on the student's previous degree. Subject to approval by the faculty.

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 2024-2025	f: annually, from 2025-2026	i: annually, from 2026-2027
b: tri-annually	d: bi-annually, from 2024-2025	g: bi-annually, from 2025-2026	j: bi-annually, from 2026-2027
	e: tri-annually, from 2024-2025	h: tri-annually, from 2025-2026	k: tri-annually, from 2026-2027