GHENT UNIVERSITY

Study Programme

Academic year 2027-2028

Faculty of Engineering and Architecture

Postgraduate Studies in Fire Safety Engineering

Language of instruction: English

Programme version 14

1 General Courses — 36 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E051430	Fire Dynamics *Tarek Beji -- Department of Structural Engineering and Building Materials*	6			A:1[a]	180
2	E051512	Design for Structural Fire Resistance *Emmanuel Annerel -- Department of Structural Engineering and Building Materials*	3			(B:1)[d]	90
3	E051450	Industrial Fire Protection and Explosions *Filip Verplaetsen -- Department of Structural Engineering and Building Materials*	3			A:2[a]	90
4	E051500	Risk Management *Ruben Van Coile -- Department of Structural Engineering and Building Materials*	3			A:2[a]	90
5	E051441	Fire Safety and Legislation *Jan De Saedeleer -- Department of Structural Engineering and Building Materials*	3			A:1[a]	90
6	E051480	Active Fire Protection I: Detection and Suppression *Christian Gryspeert -- Department of Structural Engineering and Building Materials*	3			(A:2)[d]	90
7	E051460	Interaction between People and Fire *Enrico Ronchi -- Department of Structural Engineering and Building Materials*	3			(A:2)[d]	90
8	E051490	Active Fire Protection II: Smoke and Heat Control *Bart Merci -- Department of Structural Engineering and Building Materials*	3			(A:1)[d]	90
9	E051610	Passive Fire Protection *Emmanuel Annerel -- Department of Structural Engineering and Building Materials*	3			(B:1)[d]	90
10	E061520	Performance-Based Design *Jose Torero Cullen -- Department of Structural Engineering and Building Materials*	6			(A:1)[d]	180

2 Elective Courses — 9 credits

Subscribe to 9 credit units from the following list. Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E039160	Thermodynamics, Heat and Mass Transfer *Georgios Maragkos -- Department of Structural Engineering and Building Materials*	6			A:1	180
2	E051511	Analysis of Structures *Balša Jovanović -- Department of Structural Engineering and Building Materials*	3			A:1	90
3	E051570	Material Behaviour at Ambient and Elevated Temperatures *Bart Merci -- Department of Structural Engineering and Building Materials*	3			A:1	90
4	E051700	CFD for Fire Safety Engineering *Tarek Beji -- Department of Structural Engineering and Building Materials*	3			A:2	90
5	E051560	FSE Based Firefighting *Karel Lambert -- Department of Structural Engineering and Building Materials*	3			B:1	90

3 Project — 15 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E091270	DISSERTATION	15		2	A:J	450

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 2028-2029	f: annually, from 2029-2030	i: annually, from 2030-2031
b: tri-annually	d: bi-annually, from 2028-2029	g: bi-annually, from 2029-2030	j: bi-annually, from 2030-2031
	e: tri-annually, from 2028-2029	h: tri-annually, from 2029-2030	k: tri-annually, from 2030-2031