

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 <i>Tarek Beji -- Department of Structural Engineering and Building Materials</i>	6			A:1 <sup>a</sup>	180
2	E051512 Design for Structural Fire Resistance <i>Emmanuel Annerel -- Department of Structural Engineering and Building Materials</i>	3			(B:1) <sup>d</sup>	90
3	E051450 Industrial Fire Protection and Explosions <i>Filip Verplaetsen -- Department of Structural Engineering and Building Materials</i>	3			A:2 <sup>a</sup>	90
4	E051500 Risk Management <i>Ruben Van Coile -- Department of Structural Engineering and Building Materials</i>	3			A:2 <sup>a</sup>	90
5	E051441 Fire Safety and Legislation <i>Jan De Saedeleer -- Department of Structural Engineering and Building Materials</i>	3			A:1 <sup>a</sup>	90
6	E051480 Active Fire Protection I: Detection and Suppression <i>Christian Gryspeerdt -- Department of Structural Engineering and Building Materials</i>	3			(A:2) <sup>d</sup>	90
7	E051460 Interaction between People and Fire <i>Edwin Galea -- Department of Structural Engineering and Building Materials</i>	3			(A:2) <sup>d</sup>	90
8	E051490 Active Fire Protection II: Smoke and Heat Control <i>Bart Merci -- Department of Structural Engineering and Building Materials</i>	3			(A:1) <sup>d</sup>	90
9	E051610 Passive Fire Protection <i>Emmanuel Annerel -- Department of Structural Engineering and Building Materials</i>	3			(B:1) <sup>d</sup>	90
10	E061520 Performance-Based Design <i>Patrick van Hees -- Department of Structural Engineering and Building Materials</i>	6			(A:2) <sup>d</sup>	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 <i>Georgios Maragkos -- Department of Structural Engineering and Building Materials</i>	6			A:1	180
2	E051511 Analysis of Structures <i>Andrea Franchini -- Department of Structural Engineering and Building Materials</i>	3			A:1	90
3	E051570 Material Behaviour at Ambient and Elevated Temperatures <i>Bart Merci -- Department of Structural Engineering and Building Materials</i>	3			A:1	90
4	E051700 CFD for Fire Safety Engineering <i>Tarek Beji -- Department of Structural Engineering and Building Materials</i>	3			A:2	90
5	E051560 FSE Based Firefighting <i>Karel Lambert -- Department of Structural Engineering and Building Materials</i>	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 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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029