

Programme jointly offered by Ghent University, Hasselt University, KU Leuven

Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Advanced

Language of instruction: Dutch

Programme version 3

## 1 General Courses 40 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E009050 Innovative Project: Foundations <i>Patrick Segers -- Department of Electronics and Information Systems</i>	20		1	A:J, C:2, B:1	600
2	E009060 Innovative Project: Advanced <i>Patrick Segers -- Department of Electronics and Information Systems</i>	20		1	A:J	600

## 2 Elective Courses 20 credits

Subscribe to 20 credit units elective courses, in line with the Innovative Project and after consultation with the personal innovation coach. Subject to approval by the faculty. The student may choose the electives across the different partner universities and elective clusters.

With the following division:

- At least 9 credits of elective courses focuss on innovation and entrepreneurship in a professional context (from module 2.1);
- At least 3 credits of technological elective courses supporting the project (from module 2.2).

### 2.1 Elective Courses focussed on Innovation and Entrepreneurship in a Professional Context

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

#### 2.1.1 Elective Courses Ghent University

##### 2.1.1.1 Cluster Innovation and Entrepreneurship

Nr	Course	CRDT	Ref	MT1	Session	Study
1	F001022 Dare to Venture [en] <i>Johan Verrue -- Department of Marketing, Innovation and Organisation</i>	4			A:2	120
2	E076471 Dare to Start [en] <i>Wouter Haerick -- Department of Information Technology</i>	3			A:2	90
3	F001020 Introduction to Entrepreneurship [en] <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3			A:1	90
4	E640950 Entrepreneurship and Marketing	3				90
5	E640960 Project Entrepreneurship [en, nl] <i>Dimitri Schuurman -- Department of Industrial Systems Engineering and Product Design</i>	6			A:2	180

##### 2.1.1.2 Cluster Basic Economic Knowledge

Students can only subscribe to the courses from this cluster if they did not take basic economic courses during the previous education.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	E702702 Business Administration <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	3			A:2	90
2	F000845 Business Administration <i>Mirjam Knockaert -- Department of Marketing, Innovation and Organisation</i>	4			A:2	120
3	F001019 Economics <i>Bruno Merlevede -- Department of Economics</i>	6			A:1	180
4	F000494 Economics (A) <i>Koen Schoors -- Department of Economics</i>	4			A:1	120

5	F000471	Economics (B) <i>Koen Schoors -- Department of Economics</i>	5		A:2	150
6	G000717	Epidemiology and Animal Health Economics <i>Jeroen Dewulf -- Department of Internal Medicine, Reproduction and Population Medicine</i>	4		A:2	120
7	I002917	Project Design in Agri-food Systems [en] <i>Hans De Steur -- Department of Agricultural Economics</i>	5		A:2	150

#### 2.1.1.3 Cluster Entrepreneurial Skills and Management

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002763	Advanced Marketing and Agribusiness Management [en] <i>Wim Verbeke -- Department of Agricultural Economics</i>	5		A:2	150
2	F000551	Business Skills [en] <i>Mieke Audenaert -- Department of Marketing, Innovation and Organisation</i>	4		C:2	120
3	F001009	Business Cycles and Growth <i>Freddy Heylen -- Department of Economics</i>	5		A:1	150
4	F001010	Financial Markets and Institutions <i>Rudi Vander Vennet -- Department of Economics</i>	5		A:2	150
5	H001010	Introduction Industrial Psychology <i>Bart Wille -- Department of Developmental, Personality and Social Psychology</i>	5		C:1	150
6	F000768	Marketing Management <i>Maggie Geuens -- Department of Marketing, Innovation and Organisation</i>	6		A:1	180
7	F001008	Markets and Prices <i>Dirk Van de gaer -- Department of Economics</i>	5		A:1	150
8	I001949	Entrepreneurship <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3		A:2	75
9	A005646	Introduction to Corporate Law <i>Diederik Bruloot -- Department of Interdisciplinary Study of Law, Private Law and Business Law</i>	3		A:1	90
10	F000810	Research Methodology <i>Laurence Rijssegem -- Department of Marketing, Innovation and Organisation</i>	6		A:1	180
11	E076820	Project Management [en] <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i>	6		A:2	180
12	F000707	Project Management [en] <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i>	6		A:1	180
13	E640940	Business Management <i>Sofie Verbrugge -- Department of Information Technology</i>	3		A:2	90

#### 2.1.1.4 Cluster Broadening and Deepening Skills

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002758	Food Marketing and Consumer Behaviour [en] <i>Wim Verbeke -- Department of Agricultural Economics</i>	5		A:1	150
2	E745027	Sustainable Engineering Techniques [en] <i>Tom Depover -- Department of Materials, Textiles and Chemical Engineering</i>	3		A:1	90
3	D012320	Event management <i>Annick Willem -- Department of Movement and Sports Sciences</i>	5		A:J	150
4	B001355	Advanced Intellectual Property Law	6		A:2	180
5	I001967	Intellectual Property and Valorization [en] <i>Benedikt Sas -- Department of Food Technology, Safety and Health</i>	3		A:2	90
6	E060240	Quality Engineering and Industrial Statistics [en] <i>Stijn De Vuyst -- Department of Industrial Systems Engineering and Product Design</i>	6		A:2	180
7	I700224	Quality Management Systems in the Food Chain <i>Liesbeth Jacxsens -- Department of Food Technology, Safety and Health</i>	3		A:1	90
8	K001310	Innovation Research: Challenges	7		A:J	210
9	E065460	Rational Use of Materials [en] <i>Tom Depover -- Department of Materials, Textiles and Chemical Engineering</i>	5		A:1	150
10	E004255	Operations Research Models and Methods [en] <i>El-Houssaine Aghezzaf -- Department of Industrial Systems Engineering and Product Design</i>	6		A:1	180
11	E076221	Manufacturing Planning and Control [en] <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	6		A:1	180

### 2.1.1.5 Elective Courses Ghent University

Elective courses focussed on innovation and entrepreneurship in a professional context (other than listed in clusters above), to be selected from the Ghent University programmes, in consultation with the innovation coach and subject to approval by the faculty.

### 2.1.2 Elective Courses Catholic University of Leuven

Courses from the study programmes of the Catholic University of Leuven as part of the Postgraduate Studies, cf. <http://onderwijsaanbod.kuleuven.be/opleidingen/n/>  
Subject to approval by the faculty

### 2.1.3 Elective Courses Hasselt University

Courses from the study programmes of Hasselt University as part of the Postgraduate Studies, cf.: <http://www.uhasselt.be/studiegids>  
Subject to approval by the faculty

## 2.2 Elective Courses Supporting the Innovative Project

Elective courses contributing to the student's innovative projects (technical and non-technical electives), from the programmes of the partner universities. The student takes a minimum of 3 credit units of technological elective courses. The courses are selected in consultation with the innovation coach and are 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 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