

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

Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Foundations

Language of instruction: Dutch

Programme version 3

1 General Courses 20 credits

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

2 Elective Courses 9 credits

Subscribe to 9 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 condition: subscribe to at least 3 credits of elective courses focuss on innovation and entrepreneurship in a professional context (from module 2.1).

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

Subscribe to at least 3 credit units from the 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	E076460 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	E076431 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 Enterpreneurship [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	I002519 Farm Management <i>Joachim Schouteten -- Department of Agricultural Economics</i>	5			A:2	150
2	E702702 Business Administration <i>Birger Raa -- Department of Industrial Systems Engineering and Product Design</i>	3			A:2	90
3	F000845 Business Administration <i>Mirjam Knockaert -- Department of Marketing, Innovation and Organisation</i>	4			A:2	120
4	F000758 Economics <i>Bruno Merlevede -- Department of Economics</i>	5			A:1	150
5	F000494 Economics (A) <i>Koen Schoors -- Department of Economics</i>	4			A:1	120
6	F000471 Economics (B) <i>Koen Schoors -- Department of Economics</i>	5			A:2	150
7	G000717 Epidemiology and Animal Health Economics <i>Jeroen Dewulf -- Department of Internal Medicine, Reproduction and Population Medicine</i>	4			A:2	120

8	I002917	Project Design in Agri-food Systems [en] <i>Hans De Steur -- Department of Agricultural Economics</i>	5			A:2	150
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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			A:2	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 Rijssseghem -- 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	I002720 Consumer Behaviour and Marketing of Bio-industrial products <i>Wim Verbeke -- Department of Agricultural Economics</i>	5			A:2	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 the University of Hasselt 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 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 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028