

Study Programme

Academic year 2024-2025

Faculty of Economics and Business Administration Master of Science in Business Engineering -- Operations Management

Language of instruction: English Programme version 10

Nr Course CRDT Ref MT1 Session Study 1 F000442 Strategic Management Joan Kerne - Department of Marketing, lawordton and diganisation 6 1 A:1 180 2 F000896 Technology for the Circular Economy Ramm Gampue - Department of Marketing, lawordton and diganisation 5 1 A:2 150 3 F00071 Human Resources Management Dirk Buyess - Department of Marketing, lawordton and diganisation 5 1 A:1 150 4 F000124 System Dynamics Marketing, lawordton and diganisation 5 1 A:1 180 5 F000699 Business-to-business Marketing, lawordton and diganisation 6 1 A:1 180 6 F000700 Managing Service Organisation and diganisation 4 2 A:1 120 7 F000897 Enterprise Architecture Market Ward - Department of Marketing, lawordton and diganisation 3 2 A:2 90 8 F000897 Innovation Management Market Wardton - Department of Marketing, lawordton and diganisation 4 2 A:1 120 </th <th>1</th> <th>General</th> <th colspan="4">al Courses</th> <th>credits</th>	1	General	al Courses				credits
John Versue - Department of Marketing, Innovation and Organisation 6 1 A.2 150 3 F000696 Technology for the Circular Economy 5 1 A.2 150 3 F000671 Human Resources Management 5 1 A.2 150 4 F000124 System Dynamics 5 1 A:1 150 5 F000699 Business-to-business Marketing 6 1 A:1 180 6 F000700 Managing Service Organisations informatics and Organisation 4 2 B.2 120 6 F000700 Managing Service Organisations and Organisation 4 2 B.2 120 7 F000897 Enterprise Architecture in Marketing, Innovation and Organisation 3 2 A:1 120 8 F000892 Innovation Management Marketing, Innovation and Organisation 3 2 A:1 120 9 F000707 Business Frocess Management Marketing, Innovation and Organisation 4 2 B:1 120 10 F000707 Founcing High Tech Entrepreneuralic Companies and Disation 4	Nr	Course		CRDT	Ref MT1	Session	Study
Ramon Sangué - Department of Biotechnology 3 F000671 Human Resources Management Dirk Buyers - Department of Marketing, Innovation and Organisation 5 1 A:1 150 4 F000124 System Dynamics Mile Locarifier Department of Electromechanical Systems and Metal Engineering 5 1 A:1 180 5 F000699 Business-to-business Marketing Innovation and Organisation 6 1 A:1 180 6 F000700 Managing Service Organisations Kata Be Pource - Department of Marketing, Innovation and Organisation 4 2 B:2 120 7 F000897 Enterprise Architecture Michael Innovation and Organisation 3 2 A:2 90 8 F000892 Innovation Management Michael Iverdonck - Department of Dusiness Informatics and Operations Management 4 1 A:2 120 10 F000707 Financing High Tech Entrepreneurial Companies Mayeel Meetmean - Department of Marketing, Innovation and Organisation 4 2 A:1 120 11 F000891 Financing High Tech Entrepreneurial Companies Mayeel Meetmean - Department of Marketing, Innovation and Organisation 4 2 A:1 120 2 Cour	1	F000442		6	1	A:1	180
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Mia Laccutier - Department of Electromechanical, Systems and Metal Engineering 5 F000699 Business-to-business Marketing Steve Muylle - Department of Marketing, Innovation and Organisation 6 1 A:1 180 6 F000700 Managing Service Organisations Kait De Pource - Department of Marketing, Innovation and Organisation 4 2 B:2 120 7 F000897 Enterprise Architecture Michail Hron - Department of Business Informatics and Operations Management 4 2 A:2 90 8 F000892 Innovation Management Nichail Hron - Department of Marketing, Innovation and Organisation 3 2 A:2 10 9 F000778 Business Process Management Michail Verdenck - Department of Accounting, Corporate Finance and Taxation 4 1 A:2 120 11 F000704 Financing High Tech Entrepreneuriship Johan Verrue - Department of Accounting, Corporate Finance and Taxation 4 2 A:1 120 11 F000704 Entated to the Main Subject Stervelup 2 R:1 120 2 Courses Related to the Main Subject CRDT MT1 Seession 2 F000707 Project Management Marie Wonhouck -	3	F000671	-	5	1	A:2	150
Steve Muylle - Department of Marketing, Innovation and Drganisation 4 2 B:2 120 6 F000700 Managing Service Organisations Kaat De Pourça - Department of Marketing, Innovation and Drganisation 4 2 A:1 120 7 F000897 Enterprise Architecture Michal Hron - Department of Marketing, Innovation and Organisation 3 2 A:2 90 8 F000892 Innovation Management Kathen Verley - Department of Marketing, Innovation and Organisation 3 2 A:2 10 9 F000778 Business Process Management Michael Verdouk - Department of Marketing, Innovation and Organisation 4 2 B:1 120 10 F000704 Financing High Tech Entrepreneurial Companies Miguel Meulena - Department of Marketing, Innovation and Organisation 4 2 B:1 120 2 Courses Technology Entrepreneurship Johan Verrue - Department of Marketing, Innovation and Organisation 4 2 A:1 120 2 F000705 Advanced Production Management Verronique Linére - Department of Marketing, Innovation and Organisation 4 2 A:1 120 2 Courses Technology Entrepreneurship Johan Verure - Department of Marketing, Innovation and	4	F000124		5	1	A:1	150
Kast De Pourg - Department of Marketing, Innovation and Organisation 7 F000897 Enterprise Architecture Michal Hron - Department of Business Informatics and Operations Management 4 2 A:1 120 8 F000892 Innovation Management Michael Verdence - Department of Marketing, Innovation and Organisation 3 2 A:2 90 9 F000778 Business Process Management Michael Verdonck - Department of Marketing, Innovation and Organisation 4 1 A:2 120 10 F000704 Financing High Tech Entrepreneurial Companies Miguel Meulenan - Department of Marketing, Innovation and Organisation 4 2 A:1 120 2 Courses Related to the Main Subject Second Second Study 1 F000707 Advanced Production Management Mario Vanhoucke - Department of Business Informatics and Operations Management Mario Vanhoucke - Department of Business Informatics and Operations Management Mario Vanhoucke - Department of Business Informatics and Operations Management Mario Vanhoucke - Department of Business Informatics and Operations Management 6 1 A:1 180 3 F000707 Project Management Mario Vanhoucke - Department of Business Informatics and Operations Management Dive Soossens - Department of Business Informatics and Operations Management Dive Soossens - Department of Business Info	5	F000699	-	6	1	A:1	180
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Miguel Meuleman Department of Accounting, Corporate Finance and Taxation 11 F000891 Technology Entrepreneurship Johan Verrue Department of Marketing, Innovation and Organisation 4 2 A:1 120 2 Courses Related to the Main Subject 34 credits Nr Course CRDT Ref MT1 Session Study 1 F000706 Advanced Production Management Veronique Linère Department of Business Informatics and Operations Management 6 1 A:2 180 2 F000707 Project Management Mario Vanhoucke Department of Business Informatics and Operations Management 6 1 B:1 180 3 F000899 Quality Management Dries Goossens Department of Business Informatics and Operations Management 6 1 A:2 120 4 F000941 Simulation Modelling and Analysis Broos Maenhout Department of Business Informatics and Operations Management 6 2 A:2 180 5 F000710 Supply Chain Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:2 180 6 F000836 Decision Making for Business Informatics and Operatio	9	F000778	-	4	1	A:2	120
Johan Verrue Department of Marketing, Innovation and Organisation 2 Courses Related to the Main Subject 34 credits Nr Course CRDT Ref MT1 Session Study 1 F000706 Advanced Production Management Veronique Limère Department of Business Informatics and Operations Management 6 1 A:2 180 2 F000707 Project Management Mario Vanhoucke Department of Business Informatics and Operations Management 6 1 A:1 180 3 F000899 Quality Management Dries Goossens Department of Business Informatics and Operations Management 6 1 B:1 180 4 F000941 Simulation Modelling and Analysis Broos Maenhout Department of Business Informatics and Operations Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:2 180 5 F000710 Supply Chain Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:2 180 6 F000836 Decision Making for Business Informatics and Operations Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:1 <td< td=""><td>10</td><td>F000704</td><td></td><td>4</td><td>2</td><td>B:1</td><td>120</td></td<>	10	F000704		4	2	B:1	120
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Dries Goossens Department of Business Informatics and Operations Management 4 F000941 Simulation Modelling and Analysis Broos Maenhout Department of Business Informatics and Operations Management 4 1 A:2 120 5 F000710 Supply Chain Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:2 180 6 F000836 Decision Making for Business Mario Vanhoucke Department of Business Informatics and Operations Management 6 2 A:1 180	2	F000707		6	1	A:1	180
Broos Maenhout Department of Business Informatics and Operations Management 6 2 A:2 180 5 F000710 Supply Chain Management Louis-Philippe Kerkhove Department of Business Informatics and Operations Management 6 2 A:2 180 6 F000836 Decision Making for Business Mario Vanhoucke Department of Business Informatics and Operations Management 6 2 A:1 180	3	F000899		6	1	B:1	180
6 F000836 Decision Making for Business Informatics and Operations Management 6 F000836 Decision Making for Business Management 6 F000836 A:1 180 Mario Vanhoucke Department of Business Informatics and Operations Management	4	F000941			1	A:2	120
Mario Vanhoucke Department of Business Informatics and Operations Management	5	F000710	11 5 6		2	A:2	180
3 Elective Courses 12 credits	6	F000836	-	6	2	A:1	180
	3	Elective	Courses			12	credits

3.1 Elective Advanced Courses

Nr Course		CRDT Ref MT1	Session	Study
1 F000712	Analytical Customer Relationship Management Dirk Van den Poel Department of Marketing, Innovation and Organisation	6	A:1	180
2 F000942	Machine Learning Dries Benoit Department of Marketing, Innovation and Organisation	6	A:1	180
3 F000801	Predictive and Prescriptive Analytics Matthias Bogaert Department of Marketing, Innovation and Organisation	6	A:2	180
4 F000802	Big Data Dirk Van den Poel Department of Marketing, Innovation and Organisation	6	A:1	180
5 F000683	Investment Analysis Michael Frömmel Department of Economics	6	A:1	180
6 F000898	Business Valuation Leentje Moortgat Department of Accounting, Corporate Finance and Taxation	4	A:2	120
7 F001006	Management Accounting and Control Sophie Maussen Department of Accounting, Corporate Finance and Taxation	4	A:2	120
8 F000717	Financial Risk Management Frank De Jonghe Department of Economics	6	A:1	180
9 F000676	Econometrics: Time Series Analysis Gerdie Everaert Department of Economics	6	A:1	180
10 F000920	Networks in Socio-Economic Systems Luis Enrique Correa da Rocha Department of Economics	6	A:2	180
11 F000918	Deep Learning Seppe vanden Broucke Department of Business Informatics and Operations Management	6	A:2	180
12 F000889	Internship [nl, en] Frederik Gailly	6	A:J	180
13 1002700	Clean Technology Sophie Huysveld Department of Green Chemistry and Technology	5	A:1	150
14 E065460	Rational Use of Materials Tom Depover Department of Materials, Textiles and Chemical Engineering	5	A:1	150
15 E004153	Heuristics and Search Methods Sidharta Gautama Department of Industrial Systems Engineering and Product Design	3	A:1	90
16 E076380	Methods Engineering and Work Measurement Dieter Claeys Department of Industrial Systems Engineering and Product Design	6	A:2	180
17 E004720	Network Modelling and Design Mario Pickavet Department of Information Technology	4	B:2	120
18 E060240	Quality Engineering and Industrial Statistics Stijn De Vuyst Department of Industrial Systems Engineering and Product Design	6	A:2	180
19 E011320	Queueing Theory Joris Walraevens Department of Telecommunications and Information Processing	6	A:1	180
20 E018130	NoSQL Databases Antoon Bronselaer Department of Telecommunications and Information Processing	3	A:2	90
21 E018700	Data Quality Antoon Bronselaer Department of Telecommunications and Information Processing	3	A:1	90
3.2 Electiv	e General Courses			
Nr Course		CRDT Ref MT1	Session	Study

Nr	Course		CRDI Ref MI1	Session	Study
1	F000681	Economics of Banking Rudi Vander Vennet Department of Economics	6	A:1	180
2	F000764	Economics of Financial Markets William De Vijlder Department of Economics	6	A:1	180
3	F000687	Advanced Econometrics: Non-Linear Methods Gerdie Everaert Department of Economics	6	A:2	180
4	F001007	Advanced Microeconomics: Game Theory [en, nl] Dirk Van de gaer Department of Economics	6	A:1	180
5	F000628	Microeconomics: Decision Theory Dirk Van de gaer Department of Economics	6	B:1	180
6	F000196	Monetary Economics [nl] Gert Peersman Department of Economics	5	A:1	150

7 F00093	5 Ecological Economics Brent Bleys Department of Economics	6			A:2	180
8 F000653	Insurances [nl] 6 Thomas Verheyen Department of Interdisciplinary Study of Law, Private Law and Business Law				A:1	180
9 F000640	Audit Anschi De Wolf Department of Accounting, Corporate Finance and Taxation	6			A:1	180
10 F000852	2 Taxation [nl] Annelies Roggeman Department of Accounting, Corporate Finance and Taxation	5			A:2	150
11 F000694	Advanced Financial Statement Analysis Heidi Vander Bauwhede Department of Accounting, Corporate Finance and Taxation	6			A:1	180
12 F000696	6 Market Research Methods Hendrik Slabbinck Department of Marketing, Innovation and Organisation	6			A:1	180
13 F000859	O Corporate Social Responsibility [nl] Saskia Crucke Department of Marketing, Innovation and Organisation	3			A:2	90
14 B00133	Description: De	3			A:2	90
15 F000933	B Environmental Economics [nl] Johan Albrecht Department of Economics	4			A:1	120
16 E07531	D Ethics, Engineering and Society [nl] Seppe Segers Department of Philosophy and Moral Sciences	3			A:2	90
17 D01253	5 Health Economics [nl] Dominique Vandijck Department of Public Health and Primary Care	5			A:1	150
18 H00197	Coaching and Diversity [nl] 3 UKV Elisabeth De Schauwer Department of Special Education 3 UKV			A:J	90	
19 D00235	4 Movement and Sports: Now and Later [nl] Veerle Segers Department of Movement and Sports Sciences	3	UKV		A:2	90
20 F000750	D Labour and Employment [nl] Stijn Baert Department of Economics	6			A:1	180
3.3 Keuz	eopleidingsonderdelen onderwijs					
Subscribe to Nr Course	no more than 12 credit units from the following list.	CRDT	Ref		Session	Studv
	9 Powerful Learning Environments [nl] Bram De Wever Department of Educational Studies	6	Rei		A:1	180
2 H00219	6 Classroom Management and Reflection [nl] Tijs Rotsaert Department of Educational Studies	4			A:2	120
3 H00219	7 The Teacher within School and Society [nl] Melissa Tuytens Department of Educational Studies	4			A:1	120
4 H00219	B Psychology of Adolescence [nl] Wim Beyers Department of Developmental, Personality and Social Psychology	4			A:1	120
4 Maste	's Dissertation				24 c	credits
Nr Course		CRDT	Ref	MT1	Session	Study
1 F000612	2 Master's Dissertation	24		2	A:J	720

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	
ua. Danish	en. English	IL ILAIIAII	no. Noi wegian	Tu. Russian	sv. Sweuisn	

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:

c: annually, from 2025-2026 d: bi-annually, from 2025-2026 e: tri-annually, from 2025-2026 f: annually, from 2026-2027 g: bi-annually, from 2026-2027 h: tri-annually, from 2026-2027 i: annually, from 2027-2028 j: bi-annually, from 2027-2028 k: tri-annually, from 2027-2028