

## Two-Year Master Program (120 ECTS)

### First Year

#### Compulsory courses

|            |   |    |   |     |   |
|------------|---|----|---|-----|---|
| GEST0001-2 | <i>Business Game</i> - Wilfried NIESSEN   | 30 | - | -   | 2 |
| FINA0007-1 | <i>Financial Valuation</i> - Didier VAN CAILLIE   | 24 | - | -   | 4 |
| DROI0898-1 | <i>Belgian and international company tax law</i> - Jean-Pierre BOURS                        | 24 | - | -   | 4 |
| GRHO0003-1 | <i>Managing change</i> - Olivier LISEIN, François PICHHAULT                                 | 24 | - | -   | 4 |
| LANG0805-1 | <i>English for Management (L1) Level 4</i> (english) - Jean CUPERS                          | 30 | - | -   | 3 |
| MQGE0001-1 | <i>Operations Research</i> (english) - Yves CRAMA   | 24 | - | -   | 4 |
| GEST1095-7 | <i>Preparation to the Final Work</i> - Annie CORNET - [10h AUTR]                            | 15 | - | [+] | 2 |
| MARK0773-1 | <i>Strategic Marketing</i> - Cécile DELCOURT, Thomas FROELICHER, Henri GUTMAN, Jean TONDEUR | 24 | - | -   | 4 |

#### Optional courses

Continuation of the choice of second language taken during the bachelors

*Notice* : Students for whom the Dutch or German course do not feature on their BAC programme have the possibility of replacing their second or third language by a beginners level Dutch or German course.

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| LANG0806-1 | <i>German for management (L2) level 4</i> (german) - Sylvia DEROOSE                    | 30 | - | - | 3 |
| LANG0807-3 | <i>Spanish for Management (L2) Level 4</i> (espagnol) - Bernard THIRY                  | 30 | - | - | 3 |
| LANG0808-1 | <i>Italian for Management (L2) Level 4</i> (italien) - Silvia LUCCHINI                 | 30 | - | - | 3 |
| LANG0809-1 | <i>Japanese for Management (L2) Level 4</i> (japonais) - Ching Lin PANG                | 30 | - | - | 3 |
| LANG0899-1 | <i>Chinese for management (L2) level 4</i> - Ching Lin PANG                            | 30 | - | - | 3 |
| LANG0810-1 | <i>Business Dutch (L2) level 4</i> (dutch) - Doris DE LAET, ISLV                       | 30 | - | - | 3 |
| LANG0811-1 | <i>Portuguese for Management (L2) Level 4</i> (portugais) - Angélica DA SILVA CARVALHO | 30 | - | - | 3 |
| LANG0812-1 | <i>Dutch for management (L2) Beginners 1</i> (dutch) - Nicole ENGELEN                  | 30 | - | - | 3 |
| LANG0813-1 | <i>German for management (L2) level beginners 1</i> (german) - Marie MAWHIN            | 30 | - | - | 3 |

Continuation of the choice of third language taken during the bachelors :

*Notice* : Students for whom the Dutch or German course do not feature on their BAC programme have the possibility of replacing their second or third language by a beginners level Dutch or German course.

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| LANG0814-1 | <i>Intercultural Studies - Part I</i> (english) - Michèle JOHNSON                      | 30 | - | - | 2 |
| LANG0815-1 | <i>German for management (L3) level 4</i> (german) - Sylvia DEROOSE                    | 30 | - | - | 2 |
| LANG0816-1 | <i>Spanish for Management (L3) Level 4</i> (espagnol) - Bernard THIRY                  | 30 | - | - | 2 |
| LANG0817-1 | <i>Italian for Management (L3) Level 4</i> (italien) - Silvia LUCCHINI                 | 30 | - | - | 2 |
| LANG0818-1 | <i>Japanese for Management (L3) Level 4</i> (japonais) - Ching Lin PANG                | 30 | - | - | 2 |
| LANG0900-1 | <i>Chinese for management (L3) level 4</i> (chinois) - Ching Lin PANG                  | 30 | - | - | 2 |
| LANG0819-1 | <i>Business Dutch (L3) level 4</i> (dutch) - Doris DE LAET, ISLV                       | 30 | - | - | 2 |
| LANG0820-1 | <i>Portuguese for Management (L3) Level 4</i> (portugais) - Angélica DA SILVA CARVALHO | 30 | - | - | 2 |
| LANG0821-1 | <i>Dutch for management (L3) beginner 1</i> (dutch) - Nicole ENGELEN                   | 30 | - | - | 2 |
| LANG0822-1 | <i>German for management (L3) level beginners 1</i> (german) - Marie MAWHIN            | 30 | - | - | 2 |

Choose three of the following courses :

|            |   |    |    |     |   |
|------------|---|----|----|-----|---|
| GEST0279-1 | <i>Project Management : methodology and a case study</i> (english) - Marc DOORENBOS                               | 24 | -  | -   | 4 |
| TECH0003-3 | <i>Seminary on the Integration of Technologies</i> - Pierre DENEYE - [15h AUTR]                                   | -  | 24 | [+] | 4 |
| TECH0004-3 | <i>Industrial techniques in theory and practice</i> - Pierre DENEYE   | 12 | 12 | -   | 4 |
| MQGE0003-1 | (pas organisé en 2009-2010) <i>Artificial Intelligence and Management</i> - Daniel DUBOIS (Even years)            | 24 | -  | -   | 4 |
| MQGE0004-1 | (pas organisé en 2009-2010) <i>Multivariate analysis applied to management</i> - Gentiane HAESBROECK (Even years) | 24 | -  | -   | 4 |

# Study programmes 2009-2010

## HEC Management School - University of Liège

### Master in Business engineering

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| INFO0938-1 | (pas organisé en 2009-2010) <i>Business process modeling</i> - Alain DUBOIS (Even years) | 24 | - | - | 4 |
| GEST1082-1 | (pas organisé en 2009-2010) <i>Environmental Seminar</i> - Joseph SMITZ (Even years)     | 24 | - | - | 4 |
| MQGE0002-1 | <i>Advanced Operations Research (english)</i> - Yves CRAMA (Odd years)                   | 24 | - | - | 4 |
| STAT0803-1 | <i>Forecasting: models and methods</i> - Cédric HEUCHENNE (Odd years)                    | 24 | - | - | 4 |
| INFO0936-1 | <i>Applied Management Information Systems</i> - Michael SCHYNS (Odd years)               | 24 | - | - | 4 |
| TECH0757-1 | <i>Biotechnologies</i> - Patrick DU JARDIN (Odd years)                                   | 24 | - | - | 4 |

Choose one module from :

#### Module 1 : Logistique et Supply Chain Management

Choose courses totalling 12 ECTS from the following :

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| LOGI0009-1 | <i>LOGI0009 : "Distributive" and performance audit</i> - Sabine LIMBOURG | 24 | - | - | 4 |
| LOGI0008-1 | <i>Quality management</i> - Jean-Marie RIGO                              | 24 | - | - | 4 |
| LOGI0003-1 | <i>Models in Production Management</i> - Yasemin ARDA                    | 24 | - | - | 4 |
| LOGI0004-1 | <i>Fret transportation management</i> - Sabine LIMBOURG                  | 24 | - | - | 4 |

#### Module 2 : Management and Technological Innovation

Choose courses totalling 12 ECTS from the following :

|            |   |    |   |     |   |
|------------|---|----|---|-----|---|
| MARK0774-1 | <i>Strategic Market Planning for New Products and Services (english)</i> - Charles PAHUD DE MORTANGES | 24 | - | -   | 4 |
| GRHO0004-1 | <i>Strategic IT management</i> - Olivier LISEIN   | 24 | - | -   | 4 |
| GEST1075-1 | <i>Sustainable Development and Innovation</i> - Luc COURARD, Pierre OZER, Eric PIRARD                 | 24 | - | -   | 4 |
| INFO0935-1 | <i>E-business and security platform</i> - André BLAVIER, Eric VYNCKE                                  | 24 | - | -   | 4 |
| INFO0937-1 | <i>Advanced technologies in information systems</i> - Daniel DUBOIS, Eric VYNCKE                      | 24 | - | -   | 4 |
| GEST1090-1 | <i>Introductory seminar into entrepreneurial behaviour</i> - Bernard SURLEMONT                        | 24 | - | -   | 4 |
| GEST1088-1 | <i>Seminar on managerial and entrepreneurial activities</i> - Aude NIFFLE - [30h Mon. WS]             | -  | - | [+] | 4 |

#### Module 2 : Finance and Control

Choose courses totalling 12 ECTS from the following :

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| DROI0899-1 | <i>In-depth commercial law</i> - Benoît KOHL                                     | 24 | - | - | 4 |
| FINA0008-1 | <i>Performance Management</i> - Didier VAN CAILLIE                               | 24 | - | - | 4 |
| FINA0009-1 | <i>Options, Futures and Other Derivative Securities (english)</i> - Aline MULLER | 24 | - | - | 4 |
| FINA0010-1 | <i>Organization and Management of Financial Institutions</i> - Jacques BERWART   | 24 | - | - | 4 |
| FINA0011-1 | <i>Financial Auditing</i> - Henri OLIVIER  | 24 | - | - | 4 |
| FINA0012-1 | <i>Asset and Portfolio Management (english)</i> - Séverine PLUNUS                | 24 | - | - | 4 |
| FINA0026-1 | <i>Accountancy and Taxation</i> - Danielle SOUGNÉ                                | 24 | - | - | 4 |

Chose 1 course (4ECTS) out of the following :

|            |   |   |   |     |   |
|------------|---|---|---|-----|---|
| GEST1088-1 | <i>Seminar on managerial and entrepreneurial activities</i> - Aude NIFFLE - [30h Mon. WS] | - | - | [+] | 4 |
|------------|---|---|---|-----|---|

- [...] courses of the 1st Module : Logistics and Supply Chain Management
- [...] the Module 2 courses: Management and Technological Innovation
- [...] the Module 3 courses: Finance and Monitoring
- [...] The courses from the "Research" basket

#### List of courses from "research" group

|            |  |    |    |   |   |
|------------|--|----|----|---|---|
| RECH0005-1 | <i>Qualitative method for research</i> - Annie CORNET                            | 30 | -  | - | 4 |
|            | <i>Notice</i> : Registration to this course only with a file.                    |    |    |   |   |
| RECH0006-1 | <i>Quantitative method for research</i> - N...                                   | -  | -  | - | 4 |
|            | <i>Notice</i> : Registration to this course only with a file.                    |    |    |   |   |
| ECON0213-1 | <i>Econometrics II</i> - Jean-Pierre URBAIN                                      | 30 | 15 | - | 4 |
| MQGE0004-1 | (pas organisé en 2009-2010) <i>Multivariate analysis applied to management</i> - | 24 | -  | - | 4 |

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| STAT0803-1 | HAESBROECK (Even years)<br><i>Forecasting: models and methods</i> - Cédric HEUCHENNE (Odd years) | 24 | - | - | 4 |
|------------|--|----|---|---|---|

## Second year

### Compulsory courses

|            |   |    |   |   |    |
|------------|---|----|---|---|----|
| GEST1076-1 | <i>Strategy and Corporate Social Responsibility (Seminar)</i> (english) - Claire GRUSLIN, François PICHault | 30 | - | - | 5  |
| GMEM0012-1 | <i>Thesis / Project (including test of English level)</i> - COLLÉGIALITÉ                                    | -  | - | - | 22 |

### Optional courses

Continuation of the choice of second language taken in the 1st year of the masters

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| LANG0823-1 | <i>German for management (L2) level 5</i> (german) - Sylvia DEROOSE                    | 30 | - | - | 3 |
| LANG0824-1 | <i>Spanish for Management (L2) Level 5</i> (espagnol) - Bernard THIRY                  | 30 | - | - | 3 |
| LANG0825-1 | <i>Italian for Management (L2) Level 5</i> (italien) - Silvia LUCCHINI                 | 30 | - | - | 3 |
| LANG0826-1 | <i>Japanese for Management (L2) Level 5</i> (japonais) - Ching Lin PANG                | 30 | - | - | 3 |
| LANG0827-1 | <i>Business Dutch (L2) level 5</i> (dutch) - Doris DE LAET                             | 30 | - | - | 3 |
| LANG0828-1 | <i>Portuguese for Management (L2) Level 5</i> (portugais) - Angélica DA SILVA CARVALHO | 30 | - | - | 3 |
| LANG0829-1 | <i>Dutch for Management (L2) Beginner 2</i> (dutch) - Nicole ENGELEN                   | 30 | - | - | 3 |
| LANG0830-1 | <i>German for management (L2) level beginners 2</i> (german) - Marie MAWHIN            | 30 | - | - | 3 |

Choose one focus from the following :

### Teaching focus

#### Compulsory courses

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| AESS0202-2 | <i>General didactics: courses and exercises; observation placements; reflexive practices</i> - Annick FAGNANT | 24 | - | - | 4 |
| AESS0140-2 | <i>Professional ethics and training to neutrality and citizenship</i> - Véronique DORTU                       | 12 | - | - | 2 |
| AESS0143-1 | <i>Educational Psychology of adolescents and young adults</i> - Dieudonné LECLERCQ                            | 15 | - | - | 2 |
| AESS0142-2 | <i>Seminar on prevention and management of difficult scholastic situations</i> - Jocelyne ROBERT              | 12 | - | - | 2 |
| AESS0256-1 | <i>Special didactics</i> - Jean-Marie DUJARDIN  | 75 | - | - | 7 |
| AESS0257-1 | <i>Teaching placements</i>  |    |   |   | 8 |
|            | - <i>Observation placement</i> - Jean-Marie DUJARDIN  | 20 | - | - |   |
|            | - <i>Teaching placement</i> - Jean-Marie DUJARDIN   | 40 | - | - |   |
|            | - <i>Reflexive practical work</i> - Jean-Marie DUJARDIN   | 10 | - | - |   |
| AESS0248-1 | <i>Elements of sociology of education</i> - Jean-François GUILLAUME   | 10 | - | - | 1 |
| AESS0247-1 | <i>Views on cultural diversity</i> - Jérôme JAMIN   | 10 | - | - | 1 |
| AESS0246-1 | <i>Analysis of scholastic institutions and key-players, educational policies</i> - Jacqueline BECKERS         | 15 | - | - | 1 |
| AESS0004-1 | <i>Media education</i> - Geneviève VAN CAUWENBERGE  | 15 | - | - | 1 |
| AESS0251-1 | <i>Interdisciplinary focus</i> - N...   | 6  | - | - | 1 |

### Professional Focus

#### Compulsory courses

|            |  |    |   |   |    |
|------------|--|----|---|---|----|
| GEST2021-1 | <i>Preparation seminar to Management</i> - Jocelyne ROBERT | 12 | - | - | 2  |
| GSTG0013-1 | <i>Placement</i> - N...                                    | -  | - | - | 10 |

#### Optional courses

Continuation of the choice of third language taken in the 1st year of the masters :

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| LANG0885-1 | <i>Intercultural Studies - Part II</i> (english) - Ching Lin PANG       | 30 | - | - | 2 |
| LANG0831-1 | <i>German for management (L3) level 5</i> (german) - Sylvia DEROOSE     | 30 | - | - | 2 |
| LANG0832-1 | <i>Spanish for Management (L3) Level 4</i> (espagnol) - Bernard THIRY   | 30 | - | - | 2 |
| LANG0833-1 | <i>Italian for Management (L3) Level 5</i> (italien) - Silvia LUCCHINI  | 30 | - | - | 2 |
| LANG0834-1 | <i>Japanese for Management (L3) Level 5</i> (japonais) - Ching Lin PANG | 30 | - | - | 2 |

# Study programmes 2009-2010

## HEC Management School - University of Liège

### Master in Business engineering

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| LANG0835-1 | <i>Business Dutch (L3) level 5 (dutch)</i> - Doris DE LAET, ISLV                          | 30 | - | - | 2 |
| LANG0836-1 | <i>Portuguese for Management (L3) Level 5 (portugais)</i> -<br>Angélica DA SILVA CARVALHO | 30 | - | - | 2 |
| LANG0837-1 | <i>Dutch for management (L3) beginner 2 (dutch)</i> - Nicole ENGELEN                      | 30 | - | - | 2 |
| LANG0838-1 | <i>German for management (L3) level beginners 2 (german)</i> - Marie MAWHIN               | 30 | - | - | 2 |

#### Follow-up to the module choice made in the first year

##### Module 1 : Logistique et Supply Chain Management

Choose courses totalling 8 ECTS from the following :

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| LOGI0006-1 | <i>Interdisciplinary workshop on integrated Supply Chain</i> , - Yasemin ARDA,<br>Robert NONDONFAZ | 24 | - | - | 4 |
| ECON0099-1 | (pas organisé en 2009-2010) <i>Industrial strategy: economic case analysis</i>                     | 30 | - | - | 4 |
| LOGI0005-1 | <i>International logistics (english)</i> - Robert NONDONFAZ  | 24 | - | - | 4 |
| [...]      | Choose 2 courses in the following optional courses list below :                                    |    |   |   |   |

##### Module 2 : Management and Technological Innovation

Choose courses totalling 8 ECTS from the following :

|            |  |    |   |   |       |
|------------|--|----|---|---|-------|
| GEST0266-1 | <i>Innovation strategy (english)</i> - Marcel SAUCET   | 24 | - | - | 4     |
| INFO0935-1 | <i>E-business and security platform</i> - André BLAVIER, Eric VYNCKE (Odd<br>years)  | 24 | - | - | 4     |
| INFO0937-1 | (pas organisé en 2009-2010) <i>Advanced technologies in information systems</i> -<br>Daniel DUBOIS, Eric VYNCKE (Even years) | 24 | - | - | 4     |
| TECH0759-1 | <i>Technology watch in Information and Communication Technologies (ICT)</i> -<br>André BLAVIER, Damien JACOB, Eric VYNCKE    | 24 | - | - | 4     |
| GEST1088-1 | <i>Seminar on managerial and entrepreneurial activities</i> - Aude NIFFLE<br>[30h Mon. WS]                                   | -  | - | - | [+] 4 |
| GRHO0014-1 | <i>International Seminar on Strategic HRM (english)</i> - François PICHAULT  | 24 | - | - | 4     |
|            | <i>Notice</i> : Registration to this course only with a file   |    |   |   |       |
| DROI0902-1 | <i>Intellectual property</i> - Dominique KAESMACHER  | 24 | - | - | 4     |
| [...]      | Choose 2 courses in the following optional courses list  |    |   |   |       |

##### Module 2 : Finance and Control

Choose courses totalling 8 ECTS from the following :

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| FINA0031-1 | <i>Insurance : management and concepts</i> - André ROCHEZ                                       | 24 | - | - | 4 |
| FINA0023-1 | <i>Financial Risk Management (english)</i> - Georges HÜBNER                                     | 24 | - | - | 4 |
| FINA0033-1 | <i>Advanced Management Control (english)</i> - Didier VAN CAILLIE - Suppl :<br>Nathalie CRUTZEN | 24 | - | - | 4 |
| FINA0030-1 | <i>Consolidation and IFRS : an introduction (english)</i> - Patrice SCHUMESCH                   | 24 | - | - | 4 |
| FINA0029-1 | <i>Empirical Finance (english)</i> - Albert CORHAY  | 24 | - | - | 4 |
| [...]      | Choose 2 courses in the following optional courses list below                                   |    |   |   |   |

##### Module 4 : Research

|            |  |    |   |   |   |
|------------|--|----|---|---|---|
| RECH0007-2 | <i>Research Doctoral Seminar (english)</i> - Didier VAN CAILLIE  | 24 | - | - | 4 |
|            | <i>Notice</i> : Registration to this course only with a file, and not recommended with<br>a "project-dissertation" |    |   |   |   |
| RECH0008-1 | <i>Research Global Seminar (english)</i> - Michael SCHYNS  | -  | - | - | 4 |
|            | <i>Notice</i> : Registration to this course only with a file   |    |   |   |   |

Choose courses totalling 8 ECTS from the following :

*Notice* : Registration to this course only with a file

# Study programmes 2009-2010

## HEC Management School - University of Liège

### Master in Business engineering

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| RECH0009-1 | <i>Advanced Research Studies in Banking</i> (english) - Georges HÜBNER (Even years)                       | 30 | - | - | 4 |
| RECH0010-1 | <i>Research Seminar in Credit Risk</i> (english) - Georges HÜBNER (Odd years)                             | -  | - | - | 4 |
| RECH0011-1 | <i>Research Seminar in Financial Markets &amp; Corporate Strategy</i> (english) - Aline MULLER            | 30 | - | - | 4 |
| RECH0012-1 | <i>Research Seminar of Operations Research</i> (english) - Yves CRAMA                                     | 30 | - | - | 4 |
| RECH0013-1 | <i>Research Topics in Supply Chain Management</i> (english) - Yasemin ARDA                                | 30 | - | - | 4 |
| RECH0014-1 | <i>Current Research Topics in Marketing</i> (english) - Charles PAHUD DE MORTANGES                        | 30 | - | - | 4 |
| RECH0015-1 | (pas organisé en 2009-2010) <i>Qualitative method for research</i> (english)                              | 16 | - | - | 4 |
| RECH0016-1 | <i>Research Seminar in Information Technology and Organizational Change</i> (english) - François PICHAULT | 16 | - | - | 4 |
| RECH0017-1 | <i>Research Seminar in Entrepreneurship</i> (english) - Bernard SURLEMONT                                 | 16 | - | - | 4 |

*Notice : The jury can allow the students to choose one or several courses in another module of the second year of the master's degree in management engineering or a course among "research" optional courses in the master's program in management engineering at ULB.*

#### List of option courses

|            |   |    |   |   |   |
|------------|---|----|---|---|---|
| INFO0024-2 | <i>Internet-Based Investment Laboratory</i> (english) - Jean-Marie CHOFFRAY                                       | 24 | - | - | 4 |
| TECH0758-1 | <i>Technology State of the Art</i> - Pierre DENEYE - Suppl : Carine HANSENNE                                      | 24 | - | - | 4 |
| MQGE0003-1 | (pas organisé en 2009-2010) <i>Artificial Intelligence and Management</i> - Daniel DUBOIS (Even years)            | 24 | - | - | 4 |
| MQGE0004-1 | (pas organisé en 2009-2010) <i>Multivariate analysis applied to management</i> - Gentiane HAESBROECK (Even years) | 24 | - | - | 4 |
| INFO0938-1 | (pas organisé en 2009-2010) <i>Business process modeling</i> - Alain DUBOIS (Even years)                          | 24 | - | - | 4 |
| GEST1082-1 | (pas organisé en 2009-2010) <i>Environmental Seminar</i> - Joseph SMITZ (Even years)                              | 24 | - | - | 4 |
| MQGE0002-1 | <i>Advanced Operations Research</i> (english) - Yves CRAMA (Odd years)  | 24 | - | - | 4 |
| STAT0803-1 | <i>Forecasting: models and methods</i> - Cédric HEUCHENNE (Odd years)   | 24 | - | - | 4 |
| INFO0936-1 | <i>Applied Management Information Systems</i> - Michael SCHYNS (Odd years)  | 24 | - | - | 4 |
| TECH0757-1 | <i>Biotechnologies</i> - Patrick DU JARDIN (Odd years)  | 24 | - | - | 4 |