

Faculty of Economics and Business Administration

Master of Science in Economics

Language of instruction: English

Programme version 9

## 1 General Courses 18 credits

| Nr | Course                                                                                                            | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F000628 Microeconomics: Decision Theory<br><i>Dirk Van de gaer -- Department of Economics</i>                     | 6    |     | 1   | B:1     | 180   |
| 2  | F000636 Macroeconomics: Business Cycles, Innovation and Growth<br><i>Freddy Heylen -- Department of Economics</i> | 6    |     | 1   | A:1     | 180   |
| 3  | F000676 Econometrics: Time Series Analysis<br><i>Gerdie Everaert -- Department of Economics</i>                   | 6    |     | 1   | A:1     | 180   |

## 2 Majors 18 credits

Subscribe to 18 credit units from 1 major from the following list. Subject to approval by the faculty.

### 2.1 Major Financial Institutions and Markets

Subscribe to 18 credit units from the following list.

| Nr | Course                                                                                         | CRDT | Ref | MT1 | Session | Study |
|----|------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F000681 Economics of Banking<br><i>Rudi Vander Vennet -- Department of Economics</i>           | 6    |     | 1   | A:1     | 180   |
| 2  | F000764 Economics of Financial Markets<br><i>William De Vijlder -- Department of Economics</i> | 6    |     | 1   | A:1     | 180   |
| 3  | F000683 Investment Analysis<br><i>Michael Frömmel -- Department of Economics</i>               | 6    |     | 1   | A:1     | 180   |
| 4  | F000677 Institutional Economics<br><i>Koen Schoors -- Department of Economics</i>              | 6    |     | 1   | B:2     | 180   |
| 5  | F000568 Monetary Policy<br><i>Selien De Schryder -- Department of Economics</i>                | 6    |     | 1   | A:1     | 180   |

### 2.2 Major Economic Policy

Subscribe to 18 credit units from the following list.

| Nr | Course                                                                                                  | CRDT | Ref | MT1 | Session | Study |
|----|---------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F000684 Public Economics<br><i>Dirk Van de gaer -- Department of Economics</i>                          | 6    |     | 1   | A:2     | 180   |
| 2  | F000685 Fiscal Policy<br><i>Yasin Kursat Önder -- Department of Economics</i>                           | 6    |     | 1   | A:2     | 180   |
| 3  | F001013 Energy and Climate Policy<br><i>Johan Albrecht -- Department of Economics</i>                   | 6    |     | 1   | A:1     | 180   |
| 4  | F001026 Contemporary Issues in International Economics<br><i>Ilse Ruysen -- Department of Economics</i> | 6    |     | 1   | A:1     | 180   |
| 5  | F000568 Monetary Policy<br><i>Selien De Schryder -- Department of Economics</i>                         | 6    |     | 1   | A:1     | 180   |
| 6  | F000677 Institutional Economics<br><i>Koen Schoors -- Department of Economics</i>                       | 6    |     | 1   | B:2     | 180   |
| 7  | F000300 Social Policy<br><i>Elsy Verhofstadt -- Department of Economics</i>                             | 6    |     | 1   | A:2     | 180   |

## 3 Elective Courses 6 credits

Subscribe to 6 credit units from 1 module from the following list. Subject to approval by the faculty.

### 3.1 Elective courses

Subscribe to 6 credit units from the following list.

| Nr | Course                                                                                                   | CRDT | Ref | MT1 | Session | Study |
|----|----------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | F001026 Contemporary Issues in International Economics<br><i>Ilse Ruyssen -- Department of Economics</i> | 6    |     | 1   | A:1     | 180   |
| 2  | F001013 Energy and Climate Policy<br><i>Johan Albrecht -- Department of Economics</i>                    | 6    |     | 1   | A:1     | 180   |
| 3  | F000681 Economics of Banking<br><i>Rudi Vander Vennet -- Department of Economics</i>                     | 6    |     | 1   | A:1     | 180   |
| 4  | F000764 Economics of Financial Markets<br><i>William De Vijlder -- Department of Economics</i>           | 6    |     | 1   | A:1     | 180   |
| 5  | F000683 Investment Analysis<br><i>Michael Frömmel -- Department of Economics</i>                         | 6    |     | 1   | A:1     | 180   |
| 6  | F000684 Public Economics<br><i>Dirk Van de gaer -- Department of Economics</i>                           | 6    |     | 1   | A:2     | 180   |
| 7  | F000685 Fiscal Policy<br><i>Yasin Kursat Önder -- Department of Economics</i>                            | 6    |     | 1   | A:2     | 180   |
| 8  | F000300 Social Policy<br><i>Elsy Verhofstadt -- Department of Economics</i>                              | 6    |     | 1   | A:2     | 180   |

### 3.2 Elective courses list

Subscribe to 6 credit units from the following list.

| Nr | Course                                                                                                                             | CRDT | Ref | MT1 | Session          | Study |
|----|------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|------------------|-------|
| 1  | K001480 Grand Strategy and the Multipolar World<br><i>Sven Biscop -- Department of Political Sciences</i>                          | 5    |     | 1   | A:1              | 150   |
| 2  | F001102 Strategic Planning in the Public Sector<br><i>Bishoy Zaki -- Department of Public Governance and Management</i>            | 6    |     | 1   | B:1              | 150   |
| 3  | F000935 Ecological Economics<br><i>Brent Bleys -- Department of Economics</i>                                                      | 6    |     | 1   | A:2              | 180   |
| 4  | F000629 Labour Law and Social Security Law [nl]<br><i>Inger De Wilde -- Department of Criminology, Criminal Law and Social Law</i> | 6    |     | 1   | A:2              | 180   |
| 5  | I002685 Legal Framework for Environmental Technology [nl]<br><i>Hildegard Deweerdt -- Department of Agricultural Economics</i>     | 6    |     | 1   | A:1              | 180   |
| 6  | F000627 Transport Economics [nl]<br><i>Jochen Maes -- Department of Economics</i>                                                  | 6    |     | 1   | A:2              | 180   |
| 7  | F000648 Economics and Ethics [nl, en]<br><i>Johan Albrecht -- Department of Economics</i>                                          | 6    |     | 1   | A:1              | 180   |
| 8  | F000889 Internship [nl, en]<br><i>Frederik Gailly</i>                                                                              | 6    |     | 1   | A:J              | 180   |
| 9  | F000181 Economics of Development<br><i>Wannes Slosse -- Department of Agricultural Economics</i>                                   | 6    |     | 1   | A:1              | 180   |
| 10 | F000686 Advanced Macroeconomics: Equilibrium and Dynamics<br><i>Freddy Heylen -- Department of Economics</i>                       | 6    |     | 1   | B:2 <sup>a</sup> | 180   |
| 11 | F001007 Advanced Microeconomics: Game Theory [en, nl]<br><i>Dirk Van de gaer -- Department of Economics</i>                        | 6    |     | 1   | A:1              | 180   |
| 12 | F000687 Advanced Econometrics: Non-Linear Methods<br><i>Gerdie Everaert -- Department of Economics</i>                             | 6    |     | 1   | A:2              | 180   |
| 13 | F000920 Networks in Socio-Economic Systems<br><i>Luis Enrique Correa da Rocha -- Department of Economics</i>                       | 6    |     | 1   | A:2              | 180   |
| 14 | F000761 Research Seminar<br><i>Gerdie Everaert -- Department of Economics</i>                                                      | 12   |     | 1   | A:2              | 360   |
| 15 | H002476 Powerful Learning Environments [nl]<br><i>Bram De Wever -- Department of Educational Sciences</i>                          | 6    |     | 1   | A:1              | 180   |
| 16 | H002478 The Student: Development and Motivation [nl]<br><i>Wim Beyers -- Department of General and Applied Psychology</i>          | 6    |     | 1   | A:1              | 180   |
| 17 | H002477 The Teacher within Class, School and Society [nl]<br><i>Melissa Tuytens -- Department of Educational Sciences</i>          | 6    |     | 1   | A:2              | 180   |

|    |         |                                                                                                                    |   |   |                    |     |
|----|---------|--------------------------------------------------------------------------------------------------------------------|---|---|--------------------|-----|
| 18 | K001367 | EU and Global Justice<br><i>Franziska Petri -- Department of Political Sciences</i>                                | 6 | 1 | A:1                | 180 |
| 19 | F000982 | Complexity Economics and Agent-Based Modelling<br><i>Luis Enrique Correa da Rocha -- Department of Economics</i>   | 6 | 1 | A:2                | 180 |
| 20 | F001004 | Advanced Topics in International Macroeconomics<br><i>Yasin Kursat Önder -- Department of Economics</i>            | 6 | 1 |                    | 180 |
| 21 | F001005 | Quantitative Methods for Dynamic Economics<br><i>Yasin Kursat Önder -- Department of Economics</i>                 | 6 | 1 | (A:2) <sup>d</sup> | 180 |
| 22 | C004618 | Python for Data Analysis<br><i>Koen Plevoets -- Department of Mathematics, Computer Science and Statistics</i>     | 3 | 1 | A:1                | 90  |
| 23 | C004413 | Causal Machine Learning<br><i>Stijn Vansteelandt -- Department of Mathematics, Computer Science and Statistics</i> | 5 | 1 | A:2                | 150 |
| 24 | F000918 | Deep Learning<br><i>Seppe vanden Broucke -- Department of Business Informatics and Operations Management</i>       | 6 | 1 | A:2                | 180 |
| 25 | C004545 | Bayesian Statistics<br><i>Koen De Turck -- Department of Telecommunications and Information Processing</i>         | 5 | 1 | A:2                | 150 |

#### 4 Master's Dissertation 18 credits

| Nr | Course                        | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------|------|-----|-----|---------|-------|
| 1  | F000613 Master's Dissertation | 18   |     | 1   | B:J     | 540   |

#### 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 2028-2029     | f: annually, from 2029-2030     | i: annually, from 2030-2031     |
| b: tri-annually | d: bi-annually, from 2028-2029  | g: bi-annually, from 2029-2030  | j: bi-annually, from 2030-2031  |
|                 | e: tri-annually, from 2028-2029 | h: tri-annually, from 2029-2030 | k: tri-annually, from 2030-2031 |