

# Course Specifications

From the academic year 2017-2018 up to and including the

## Microeconomics: Decision Theory (F000628)

Course size (nominal values; actual values may depend on programme)  
Credits 6.0 Study time 180 h Contact hrs 45.0 h

### Course offerings and teaching methods in academic year 2018-2019

| Offering       | Language | Teaching Methods | Hours  |
|----------------|----------|------------------|--------|
| A (semester 1) | Dutch    | seminar: coached | 15.0 h |
|                |          | exercises        | 30.0 h |
| B (semester 1) | English  | seminar: coached | 15.0 h |
|                |          | exercises        | 30.0 h |

### Lecturers in academic year 2018-2019

Van de gaer, Dirk EB21 lecturer-in-charge

### Offered in the following programmes in 2018-2019

| Programme  | crdts | offering |
|--|-------|----------|
| <a href="#">Master of Science in Business Engineering (main subject Data Analytics)</a>        | 6     | A, B     |
| <a href="#">Master of Science in Business Engineering (main subject Finance)</a>               | 6     | A        |
| <a href="#">Master of Science in Business Engineering (main subject Operations Management)</a> | 6     | A, B     |
| <a href="#">Master of Science in Complementary Studies in Economics</a>                        | 6     | A        |
| <a href="#">Master of Science in Economics</a>   | 6     | A, B     |
| <a href="#">Master of Science in Economics</a>   | 6     | B        |
| <a href="#">Exchange programme in Economics and Business Administration</a>                    | 6     | B        |

### Teaching languages

Dutch, English

### Keywords

Microeconomics, consumer behaviour, producer behaviour, general equilibrium, public goods, externalities, uncertainty, game theory, information economics.

### Position of the course

The course aims at broadening and extending the skills acquired in an intermediate course in Microeconomics, such that the student becomes familiar with a range of concepts and techniques used frequently in economic analysis. These tools will be used and developed in the courses advanced micro-economics: game theory and asymmetric information, social economics and public economics.

### Contents

The course begins with the analysis of consumer and producer behaviour. We derive behavioural consequences from basic principles. The implicit hypotheses that are often made in economic analysis, such as aggregation over goods or over consumers are made explicit and are critically examined. The dual approach comes next. We study general equilibrium and the welfare properties of this equilibrium, as well as externalities and public goods. The second part of the course studies economic behaviour under uncertainty, and includes an introduction to game theory and information economics, where we analyse problems of asymmetrical information (adverse selection and moral hazard).

### Initial competences

Microeconomics.

### Final competences

- 1 be able to use micro economic techniques
- 2 analyse economic situations and problems using micro economic techniques
- 3 propose realistic solutions for micro-economic situations and problems.

#### Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

#### Conditions for exam contract

Access to this course unit via an exam contract is unrestricted

#### Teaching methods

Lecture, seminar, seminar: coached exercises

#### Extra information on the teaching methods

Formal lecture.

#### Learning materials and price

Varian, H.R. (1992), *Microeconomic Analysis*, third edition, Norton. Cost: 40 EUR

#### References

- Cowell, F.A. (2006), *Microeconomic Principles and Analysis*, Oxford University Press.
- Mas-Colell, A., Whinston, M.D. and J.R. Green (1995), *Microeconomic theory*, Oxford: Oxford University Press.
- Perloff, J.M. (1999), *Microeconomics*, Addison-Wesley Publishing Company.
- Gravelle, H. and R. Rees (2004), *Microeconomics*, third edition, Prentice Hall.
- Varian, H.R. (1999), *Intermediate Microeconomics*, fifth edition, Norton.

#### Course content-related study coaching

Coaching will be done by the professor.

#### Evaluation methods

end-of-term evaluation

#### Examination methods in case of periodic evaluation during the first examination period

Written examination

#### Examination methods in case of periodic evaluation during the second examination period

Written examination

#### Examination methods in case of permanent evaluation

#### Possibilities of retake in case of permanent evaluation

not applicable

#### Extra information on the examination methods

Written examination.

#### Calculation of the examination mark