Innovation and entrepreneurship

2025 - 2026

Is part of the next programmes:

- M0012004 Master of Computer Science: Software Engineering
- M0012005 Master of Computer Science: Data Science and Artificial Intelligence
- M0004009 Master of Biomedical Sciences: Molecular Mechanisms of Diseases
- M0012006 Master of Computer Science: Computer Networks
- M0008000 Master of Physics
- M0003002 Master of Biology: Evolution and Behavioral Biology
- M0010002 Master of Drug Development: Biopharmaceutical Sciences
- M0001000 Master of Biochemistry and Biotechnology
- M0004004 Master of Biomedical Sciences: Clinical Scientific Research
- M0047002 Master of Biology: Global Change Biology
- P0037000 Postgraduate of entrepreneurship for sciences and biomedical sciences

Course Code:	2004FBDOOD

Study Domain:	Business sciences
Semester:	1E SEM
Contact Hours:	52
Credits:	6
Study Load (hours):	168
Contract Restrictions:	Exam contract not possible
Language of Instructions:	NED
Lecturer(s):	T Valentin Carlan
Examperiod:	exam in the 1st semester

1. Prerequisites *

speaking and writing of:

- English

specific prerequisites for this course

The student attending this course should at least have followed course for 150 ECTS or comparable of an Economic Building, Business administration and have at least some insights into finance.

2. Learning outcomes *

- Gains insights in the process of innovation, concerning ab initio innovation and portfolio-innovation process.

- Gains insights in different facets of company life and surrounding factors (human, market, company) that are important in innovation.
- Gains insights in new methods of product development.
- Can evaluate the feasibility of an innovation in a certain situation.
- Can understand and make a financial plan and business plan for an innovative idea.
- Understands a technological benchmark.

3. Course contents *

The course addresses:
- Quality assessment of Science and Technology.
- Protection of intellectual property and Freedom to Operate.
- Integrated Product development.
- Product definition vs market.
- The Team.
- Organization and Innovation.
- Business strategy and alliances.
- Budget and finances.
- Business Plan.- Validation.

4. International dimension *

5. Teaching method and planned learning activities

5.1 Used teaching methods *

Class contact teaching

- Lectures

- Practice sessions
- Seminars/Tutorials
- Skills training

Personal work

- Exercises

Assignments

- In group

Case studies

- Individually
- In group

5.2 Planned learning activities and teaching methods

5.3 Facilities for working students *

6. Assessment method and criteria *

6.1 Used assessment methods *

Examination

- Oral with written preparation

Continuous assessment

- Assignments
- Case studies

Other assessment methods

- Written assignment

- Presentation

6.2 Assessment criteria *

7. Study material

7.1 Required reading *

The Practice of New Products and New Business, ACCO (2007) by Johan Braet and Paul Verhaert

7.2 Optional reading

8. Contact information *

johan.braet@ua.ac.be

9. Tutoring