

Process management and quality care


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
- 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:	2005FBD00D
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Study Domain:	Business sciences
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Semester:	1E SEM
Contact Hours:	52
Credits:	6
Study Load (hours):	168
Contract Restrictions:	Exam contract not possible
Language of Instructions:	NED
Lecturer(s):	 Valentin Carlan
Examperiod:	exam in the 1st semester

1. Prerequisites *

speaking and writing of:

- English

specific prerequisites for this course

Basic knowledge concerning economy and management, such as what has been learned in the courses of this module in year 1

Basic concepts of Statistics.

2. Learning outcomes *

- The student can: Gain a proper insight in the setup of quality systems (ISO900X, ISO1400X, HACCP). The knowledge of legislation is a passive knowledge.

- The student can: To plan a proper process analysis
- The student can: To discover critical points in processes
- The student can: To perform a management evaluation in accordance with the law
- The student can: To situate an activity in an economical context and suggest new activities.

3. Course contents *

Partim 1: Procesanalysis (Prof. Dr. ir Vassilios Kritis)

Different industrial processes will be analysed. 'Osterwalder' concepts will be discussed.

Partim 2: Integrated care systems and industrial risk management (Prof. Dr. Johan Braet)

The course explains how a care system is build up. An overview of legal standards are given using field examples.

A practical exercise is performed in groups of max. 3 students.

Partim 3: Integration (Prof. Dr. ir Vassilios Kritis)

In this partim, different concepts and knowledge will be put into practice.

4. International dimension *

- This course stimulates international and intercultural competences.
- Students use course materials in a foreign language.

5. Teaching method and planned learning activities

5.1 Used teaching methods *

Class contact teaching

- Lectures
- Seminars/Tutorials

Personal work

Assignments

- In group

Case studies

- 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 *

7.2 Optional reading

8. Contact information *

The teachers are available during and after classes.

9. Tutoring