

## Management in the Aquaculture Industry (I002165)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 3.0** **Study time 75 h**

**Course offerings and teaching methods in academic year 2024-2025**

A (semester 1)	English	Gent	seminar	
			group work	0.0h
			lecture	
			independent work	0.0h

**Lecturers in academic year 2024-2025**

Drouillon, Margriet LA22 lecturer-in-charge

**Offered in the following programmes in 2024-2025**

	crdts	offering
<a href="#">Master of Science in Aquaculture</a>	3	A
<a href="#">Exchange Programme in Bioscience Engineering: Agricultural Sciences (master's level)</a>	3	A

**Teaching languages**

English

**Keywords**

Financial management, bussiness accounts, investment analysis, price volume analysis, relevant costing, net present value, aquaculture farm

**Position of the course**

This course provides the student with the basics of financial management and in particular, aquaculture businesses.

**Contents**

usiness accounts: composition and interpretation of:

- Profit and loss statement
  - Balance sheet
  - Cash flow statement
2. Analyzing the profitability, liquidity and solvency of a company based on its business accounts
  3. Optimizing the financial resources of a company: working capital management, cash conversion cycle. Comparison of working capital management of different companies active in the aquaculture industry
  4. Breakeven analysis & relevant costing, exercises on investment decisions (subcontracting, machine replacement, ...) and assessment of product profitability
  5. Understanding net present value (NPV) and internal rate of return (IRR), making decisions using NPV and IRR, case based teaching using a case from Harvard Business School on IRR and NPV
  6. Introduction to strategic management, Porter's five forces and Blue Ocean Strategy, case-based teaching using an INSEAD case on Blue Ocean Strategy

**Initial competences**

General biology, chemistry, biochemistry and basic knowledge on aquaculture.

**Final competences**

- 1 The student can analyze business accounts (balance sheet, profit /loss account and cash flow).
- 2 The student can perform breakeven analysis.

- 3 The student has insight into strategic management frameworks.
- 4 The student can evaluate working capital management of a (n) (aquaculture or seafood trading) company.
- 5 The student can make decisions based on relevant costing techniques and on net present value and internal rate of return.

**Conditions for credit contract**

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

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Group work, Seminar, Lecture, Independent work

**Extra information on the teaching methods**

Theory lectures: lectures based on powerpoint presentations.  
Guided exercises: case-study based exercises, class discussions

**Study material**

None

**References****Course content-related study coaching**

Study guidance upon request by email or on appointment.

**Assessment moments**

end-of-term assessment

**Examination methods in case of periodic assessment during the first examination period**

Professional practice, Written assessment open-book, Written assessment

**Examination methods in case of periodic assessment during the second examination period**

Professional practice, Written assessment open-book, Written assessment

**Examination methods in case of permanent assessment**

Participation

**Possibilities of retake in case of permanent assessment**

examination during the second examination period is not possible

**Extra information on the examination methods**

Period aligned evaluation: theory: written exam (both open en closed book part).  
Non-period aligned evaluation: guided exercises: participation.

**Calculation of the examination mark**

Out of 20:  
20 points attributed to written exam

Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.