

Course Specifications

From the academic year 2020-2021 up to and including the academic year

Mollusc and Crustacean Culture (1002791)

Credits 5.0	(nominal values; actual values) Study time 150		Contact hrs	50.0h	
Course offerings in acad	-			50.011	
A (semester 2)	English	Gent			
A (Semester 2)	Liigüsii	Uent			
Lecturers in academic y	ear 2022-2023				
Nevejan, Nancy LA22				lecturer-in-charge	
Offered in the following	g programmes in 2022-2023			crdts	offerin
Master of Science i	in Aquaculture			5	А
Exchange Program	nme in Bioscience Engineering: Ag	ricultural Science	es (master's level)	5	А
Teaching languages					
English					
Keywords					
	, biology of shellfish, abalone, oys ıbster, crayfish, crab.	iter, mussel, scall	lop, clam,		
Position of the course					
	etailed knowlegde on various mo n mollusc anatomy and freshwate				
Contents					
larval culture, grow 2. Production techn 3. Production techn 4. Production techn 5. Exercise on a per	iques for penaeid shrimp iques for freshwater prawn Macr iques for lobster	obrachium	roduction,		
4. General aspects requirements in dif 5. Exceptional spec 6. Common hatcher 7. Common grow-o	lves with practicum dissection on the production of bivalves : life fferent life stages and environme ies ry and nursery systems for bivalve ut systems for bivalves e culture on the environment	ntal adaptations			
Initial competences					

Final competences

1 The student has knowledge on the biological requirements of crustaceans and

molluscs in commercial production systems.

- 2 The student has technical knowledge on the rearing systems used for crustaceans and molluscs.
- 3 The student has insight into how to start a hatchery or grow-out farm for crustaceans.
- 4 The student is able to identify mollusc organs.
- 5 The student is able to identify different larval stages of freshwater prawn.

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

Practicum, Guided self-study, Lecture, Seminar: coached exercises

Extra information on the teaching methods

Theory lectures: lectures based on powerpoint presentations and videos. Practical classes: dissection of bivalves and identification of different larval stadia of *Macrobrachium*. Exercises: exercise on the starting-up and exploitation of a shrimp hatchery.

Learning materials and price

Printouts of the powerpoint presentation will be available during all classes. Estimated cost of the printouts: 17 euro (included in fee that is paid in the beginning of the academical year).

References

Hatchery culture of bivalves, by Michael Helm, FAO Technical paper 471 Farming freshwater prawns, by Michel New, FAO Technical paper 428 Crustacean farming, by John Wickins and Daniel O.C.Lee

Course content-related study coaching

Study guidance upon request by email or on appointment.

Assessment moments

end-of-term and continuous assessment

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

Written examination

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

Written examination

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 closed book exam. Non-period aligned evaluation: practical classes and exercises: participation.

Calculation of the examination mark

Out of 20:

14 points attributed to exam mollusc part 6 point attributed to exam crustacean part

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

Students that do not attend the practical classes without a valid reason should retake the course the next academic year.