

Course Specifications

Valid in the academic year 2024-2025

Viral Disease Management (1002084)

Course size	(nominal values; actual va	lues may depend on prog	ramme)		
Credits 3.0	Study time 90 h				
Course offerings and t	eaching methods in academic	c year 2024-2025			
A (semester 1)	English	Gent	le	ecture	
Lecturers in academic	year 2024-2025				
Nauwynck, Hans DI04			D104	lecturer-in-charge	
Offered in the following programmes in 2024-2025				crdts	offering
International Master of Science in Health Management in Aquaculture				3	А
Master of Science	e in Aquaculture			3	А
Teaching languages					
English					
Keywords					
Virus, virus charad immunity (innate management), fis	teristics, replication cycle, path and adaptive), control of viral h, shellfish.	hogenesis, clinical picture diseases (vaccination,	, antiviral		
Position of the course					
This course aims a their control in cu	at providing a detailed overviev Itured fish and shellfish.	w of virology, viral diseas	es and		
Contents					
 Taxonomy Virus structure Replication cyci Different types Antiviral immunity Viral immunity Viral immunity Control of viral 	le of viral infections (local versus nity in fish in shellfish diseases by vaccination diseases by immunomodulato l diseases by water treatment diseases by the use of SPF ani	s general) rs mals sic knowledge on aquacul	ture.		
1 The student bac	knowledge en general princip	loc of virology			
2 The student has 2 The students ha 3 The student ha 4 The student ha and shellfish.	s knowledge on general princip as knowledge on viral immunit s knowledge on different viral s knowledge on the different w	y in fish and shellfish. diseases in fish and shell vays to control viral disea	fish. ses in fish		
Conditions for credit c	ontract				
Access to this cou	rse unit via a credit contract is	determined after success	ful competen	ices assessment	
Conditions for exam co	ontract				
This course unit c	annot be taken via an exam co	ntract			
Teaching methods					

Lecture

Extra information on the teaching methods

Theory lectures: lectures based on powerpoint presentations.

Study material

None

References

 Fish Disease: diagnosis and treatment. E.J. Noga (536 pages) ISBN: 978-0-8138-0697-6. June 2010. Wiley-Blackwell
 Fish Diseases & Disorders: Viral, Bacterial and Fungal Infections. P. Woo & D. Bruno (944 pages) ISBN: 978-1-8459-3554-2. June, 2012. CABI
 Review articles published in different journals

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

Written assessment

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

Written assessment

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

Period aligned evaluation: theory: written closed book exam.

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.