

A06 Global Aquaculture Production, Markets and Challenges

Module	Global Aquaculture Production, Markets and Challenges						
Code	A06						
Coordinator	Prof. Dr. G. Hörstgen-Schwark						
Language	English						
Stud. Workload	180 (56h contact time)						
Credits	6 ECTS						
Frequency (WS/SS)	WS						
Instructor	Prof. Dr. G. Hörstgen-Schwark						
Contents	<p>The production of the world wide most important aquaculture species and ornamentals (i.e. kelp, water hyacinths, water salad, oysters, clams, carp, tilapia, salmon, trout, <i>Litopenaeus vannamei</i>, <i>Penaeus monodon</i>), their distribution channels; national and international markets and trade with aquatic products; international trading agreements, law and their compliance; national and international legislation for the protection of the aquatic environment; aquatic animal health, trade and transboundary issues.</p> <p>Through case studies: Trends and developments of sector management (influence of national authorities, NGOs, societies, communities); socioeconomic impact of aquaculture; contribution to national food self-sufficiency; energy and resource efficiency in aquaculture; environmental management of aquaculture.</p>						
Objectives	<p>Students get to know the worldwide most important aquaculture organisms and their prevalent production systems. They learn which national and international regulatory mechanisms influence the trade with aquatic products.</p> <p>Through the work on case studies and their presentations students obtain the capability to evaluate problems, chances and socioeconomic impacts of a globalized and sustainable aquaculture; they are enabled to independently get acquainted with scientific subjects and to apply the acquired knowledge for the consideration of complex conflicts of interest.</p>						
Literature	Lecture based notes						
Study system usability	Economy		Organic		Tropical		
	E		E		M		
Entrance requirements	Basic knowledge of animal sciences and agricultural markets						
Instruction type	Lecture	Seminar	Excursion	Practice	Tutorial	Project	
Duration [contact h]	28		28				
Examination type	Oral test	Written test	Homework	Sem. speech	Protocol	Work report	Proj. report
	x						Proj. pres. x
Grade composition	67% oral test, 33% project presentation						