Introduction to Theory and Practice of Network Analysis Enfoftwing in Theorie und Praxis der Netzwerkanalyse Module Coordinator Prof. Dr. Marie-Catherine Riekhof Organizer Institute of Agricultural Economics – Political Economy of Resource Management with a locus on Marine and Coastal Resources Faculty Faculty of Agricultural Economics – Political Economy of Resource Management with a locus on Marine and Coastal Resources Faculty of Agricultural and Nutritional Sciences Examination Office Faculty of Agricultural and Nutritional Sciences - Examination Office EcTS Credits ECTS Credits ECTS Credits Credits Frequency Morkload per ECTS Cretit Norkload per ECTS Cretit Norkload per ECTS Cretit 180 hours Contact Time Independent Study Recommended Requirements Frequency Module Courses Module Courses Module Courses Course Type Seminar Module Course Name Compulsory/Optional Compulsory and Practice of network analysis Compulsory (Compulsor) Compulsory (Compulsor) Compulsor (Compulsor)		odule Code	Мо	Module Name M				
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Seminar Introduction to theory and practice of network analysis Compulsory	sws	Compulsory/Optional	(Course Name				
	4	Compulsory	nalysis	Introduction to theory and practice of network analysis				
Seminar - additional Discussion of examples for application of network Optional	2*	Optional	ork	Discussion of examples for application of network analysis				
Prerequisits for Admission to the Examination(s)				amination(s		Prerequisits for Adm		

Examination(s)							
Examination Name	Type of Examination	Evaluation	Compulsory / Optional	Weighting			
Introduction to theory and practice of network analysis	Seminarpaper with Assignment	Graded	Compulsory	100			
Further Information on the Examinatio	n(s)		-				
lecturer: Prof. Dr. Marie-Catherine Riekho examiner: Prof. Dr. Marie-Catherine Riek QIS:141100 with number of Examination	hof durch Dr. Lotta Klug						
Students can select a topic for their presentati seminar, or suggest a topic related to the gene			ed at the beginning	g of the			
A guideline with aspects to consider when pre an excellent seminar paper will be made avail			with information c	on how to write			
Course Content							
Network analysis is a tool that has found applic management and environmental governance.	cation in many different s	cientific discipline	es, including natur	al resource			
n the <u>mandatory</u> part of the seminar, basic net networks will be presented and applied to a rar visualization will be introduced.							
The seminar will further talk about practicalities network approach.	s, chances and limitation	s of data collection	on when wanting to	o apply a			
A range of application examples, presented by	the students, will be disc	cussed.					
n the <u>optional</u> part of the seminar, additional e be presented and discussed.	examples and analytical a	approaches from	practical network I	esearch will			
Learning Outcome							
 Students will have a better understanding of basic netw have gained an overview of basic indicate have learned about the theoretical and pr biological sciences have a better understanding of data coller improve (practice and further develop) pre gain insights into current scientific debate practice 	ors and methods for the a ractical application of net ction required for networ esentation and writing sk	analysis of netwo work analysis as k analysis ills	rks a method in (mari	ne) social and			
Reading List							
For a first introduction into the topic see: - Borgatti SP, Mehra A, Brass DJ, Labianca G 892-895. DOI: 10.1126/science.1165821 Author links open overlay panelBrian D.Fatha - Asmus H, Asmus R, Baird D, Borrett SR, de (2019). Ecological network analysis metrics: Ocean and Coastal Management 174: 1-14 E	ab 9 Jonge V, Ludovisi A, Ni The need for an entire ed	quil N, Scharler L cosystem approa	JM, Schückel U, V	/olff M			

A list with further recommended reading will be distributed at the beginning of the course.

Additional Information

The number of participants is limited to 20.

Enrollment by OLAT within workdays Monday through Friday in the 2nd week of the 2. audit period of the preceding semester. Following information is necessary: matriculation number last name first name striven degree study program stu-Email

The allocation of the places takes place in the 2nd week of the 2. audit period of the preceding semester. Acceptance of the place by students only through participation at the first day of the course. Students without a place can get a place at the first day of the course by move-up procedure, where higher MSc. semesters are prioritized.

Use	Compulsory / Optional	Semester
Master, Environmental Management Master, Applied Ecology Master, Sustainability, Society and the Environment Master, Environmental and Resource Economics Master, Agricultural Sciences, Master, Nutritional and Food Science Master, Nutritional and Consumer Economics Master, Dairy Sciences	Optional	-