

## Modulhandbuch Affine Module – Institut für Biologie

Affines Modul - Institut für Biologie – Analysis of Ecological Communities

<b>Modul:</b> Analysis of Ecological Communities			
<b>Qualifikationsziele:</b> In the first part of the course, students will be introduced to community ecology. Then they will learn the principles behind the quantitative tools used in the analysis of community structure. This knowledge will be gained through an interplay between theories and examples drawn from the most authoritative literature and several ecosystems.			
<b>Inhalte:</b>			
<b>Lecture "Species interaction and community structure":</b> students will gain a general view on classical and current theories on the processes that regulate the interaction of organisms and determine they way they assemble into ecological communities.			
<b>Seminar "Patterns of community structure":</b> students will apply the principles illustrated during lectures by reading scientific papers dealing with topical issues in community ecology. Critical reading and the illustration of several exercises on classical data sets from the literature will allow students to develop a practical perspective on the exciting challenges that the study of community structure offers nowadays.			
<b>Lehr- und Lernformen</b>	<b>Präsenzstudium</b> (Semesterwochenstunden = SWS)	<b>Formen aktiver Teilnahme</b>	<b>Arbeitsaufwand</b> (Stunden)
Vorlesung	2 SWS SoSe	-	Präsenzstudium 60 h
Seminar	2 SWS SoSe	-	Vor- und Nachbereitung 60 h Prüfungsvorbereitung und -bearbeitung 30 h
<b>Veranstaltungssprache:</b> Englisch			
<b>Arbeitszeitaufwand in Stunden (h) insgesamt:</b> 150 h			
<b>Dauer des Moduls:</b> Ein Semester			
<b>Häufigkeit des Angebots:</b> jedes Sommersemester			

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<b>Zugangsvoraussetzungen:</b> ., keine		
<b>Lehr- und Lernformen</b>	<b>Modulprüfung</b>	<b>Pflicht zu regelmäßiger Teilnahme</b>
Vorlesung	70%: Klausur (Bearbeitungsdauer: 60 Minuten)	ja
Seminar	30%: Seminarvortrag (15 Minuten)	ja
<b>Leistungspunkte:</b> 5 LP		