
neu730 - Biosciences in the Public Eye and in our Laws

Modulbezeichnung	Biosciences in the Public Eye and in our Laws
Modulkürzel	neu730
Kreditpunkte	6.0 KP
Workload	180 h (56h contact / 84h research for presentations / 40h term paper)
Verwendbarkeit des Moduls	<ul style="list-style-type: none">• Master Biologie (Master) > Skills Modules• Master Biology (Master) > Skills Modules• Master Neuroscience (Master) > Skills Modules• Köppl, Christine (Modulverantwortung)• Sienknecht, Ulrike (Modulberatung)• Köppl, Christine (Prüfungsberechtigt)• Sienknecht, Ulrike (Prüfungsberechtigt)
Zuständige Personen	
Teilnahmevoraussetzungen	
Kompetenzziele	<ul style="list-style-type: none">+ Expt. methods+ Scient. Literature++ Social skills++ Interdiscipl. knowlg+ Data present./disc.+ Scientific English++ Ethics <p>Upon completion of this course, students</p> <ul style="list-style-type: none">• know basic rules of good scientific practise• are aware of the legal framework that is relevant to biological research, e.g. on animal welfare or genetically modified organisms• have practised to research and summarize different viewpoints on biological research, using both scientific (peer-reviewed) and non-scientific sources• are able to identify and critically discuss ethical conflicts in biological research, e.g., in the context of stem cell research or data manipulation• are able to prepare and give a coherent presentation in a team• have practised to lead a group discussion
Modulinhalte	<p>In supervised exercises, students research the ethical aspects and controversial issues on several specific topics in the biosciences. Everyone participates in researching all topics. Students then take turns in summarizing and presenting each topic in small teams, and leading a critical discussion of each topic. Problem-based, independent research of the scientific background by the students is an integral part of this module.</p> <p>Example topics: Good scientific practise and fraud Neuroenhancement Artificial intelligence Animal welfare, Animal experiments Overfishing, Nature conservation State-of-the-art genetic tools and their implications Genetically modified organisms, e.g., in food production, chimeras Stem cells Humans as experimental subjects</p> <p>A bonus can be obtained through active participation during the semester. Active participation requires regular oral contributions to the group discussions, that go beyond giving your own talks. A bonus improves the exam mark by one step (0.3 or 0.4). The bonus is optional, an exam mark of 1.0 is achievable without a bonus. A bonus cannot be applied to pass a failed exam.</p>
Literaturempfehlungen	
Links	

Unterrichtssprache	Englisch			
Dauer in Semestern	1 Semester			
Angebotsrhythmus Modul	summer term			
Aufnahmekapazität Modul	18			
Modulart	Wahlpflicht / Elective			
Modullevel	MM (Mastermodul / Master module)			
Vorkenntnisse	Fundamentals of genetics, physiology, ecology and biological systematics			
Prüfung	Prüfungszeiten		Prüfungsform	
Gesamtmodul	within a few weeks of summer term lecture period		Term paper	
			Regular participation during the semester is required (max 3 days of absence)	
Lehrveranstaltungsform	Kommentar	SWS	Angebotsrhythmus	Workload Präsenz
Vorlesung			SoSe	0
Seminar und Übung		4	SoSe	56
Präsenzzeit Modul insgesamt				56 h