

**Mitteilungen der  
Justus-Liebig-Universität Gießen**Ausgabe vom  
**15.05.2020****7.36.08 Nr. 4**Spezielle Ordnung für den Bachelorstudiengang  
„Global Change – Ecosystem Science and Policy“**Achter Beschluss  
zur Änderung der Speziellen Ordnung für den  
Masterstudiengang „Global Change – Ecosystem Science and Policy“  
des Fachbereichs 08 – Biologie und Chemie –  
der Justus-Liebig-Universität Gießen und der School of Biology and  
Environmental Science des University College Dublin**

Aufgrund von § 44 Abs. 1 des Hessischen Hochschulgesetzes vom 14. Dezember 2009 hat der Fachbereichsrat des Fachbereichs 08 – Biologie und Chemie – am 16.10.2019 die nachstehenden Änderungen beschlossen:

**Art. 1  
Änderungen**

Die Spezielle Ordnung für den Masterstudiengang „Global Change – Ecosystem Science and Policy“ vom 25.05.2005, zuletzt geändert durch Beschluss vom 19.01.2018, wird wie folgt geändert:

1. In Anlage 2 wird das Inhaltsverzeichnis wie folgt neu gefasst:

**Overview****UCD - Core modules:**

Data Analysis and Interpretation

[Future Crops and food security](#) [Designing Global Change Research Projects](#)Global Change Ecology—[Introduction](#)

Science and Policy

Environmental Impact Assessment

Environmental Law and Policy

**UCD – Optional modules:**

Biodiversity

Peatland and Environmental Change

**JLU – Core modules:**

Global Change

Spezielle Ordnung für den Bachelorstudiengang „Global Change – Ecosystem Science and Policy“	15.05.2020	7.36.08 Nr. 4
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[Designing and Managing Global Change Research Projects](#) [Adaptation to Global Change](#)

Political Consulting – Environmental Policy and Development Cooperation

Resource Economics and Environmental Management

Biodiversity Informatics

Sustainable Agroecosystems

**JLU – Optional modules:**

Field Methods in Global Change Research

Human Health Impacts of Climate Change: the International Dimension

[Adaptation to Global Change](#)

Stress Ecology

Into the Footsteps of a Researcher

Man in Past Climates and Climate Change Impacts

Work Placement

2. In Anlage 2 wird der Abschnitt „Overview“ wie folgt neu gefasst:

UCD	Core modules	Code	Credits
	Data Analysis and Interpretation	ENVB40370	5
	<del>Future crops and food security</del> <a href="#">Designing Global Change Research Projects</a>	<del>BOTN40240</del> <a href="#">BIOL40780</a>	5
	<del>Global Change – Introduction</del> <a href="#">Ecology</a>	ENVB40130	5
	Science and Policy	BIOL40140	5
	Environmental Impact Assessment	ENVB40040	5
	Environmental Law and Policy	LAW30440	5
	<b>Optional modules</b>		<b>5</b>
	a) Biodiversity	ZOOL40010	5
	b) Peatland and Environmental Change	ENVB40040	5
	<b>Total CP in UCD for taught modules</b>		<b>35</b>
JLU	Core modules	Code	Credits
	Global Change: Modelling and Advanced Techniques	M-GC-GCM	5
	<a href="#">Adaptation to Global Change</a> <del>Designing and Managing Global Change Research Projects</del>	<del>M-GC-AGCM-GC-RIE</del>	3
	Political Consulting – Environmental Policy and Development Cooperation	M-GC-PCE	6
	Resource Economics, Sustainability and Environmental Management	M-GC-REM	6
	Biodiversity Informatics	M-GC-BDI	3
	Sustainable Agroecosystems	MK-96	6
	<b>Optional modules</b>		<b>6</b>
	a) Field Methods in Global Change Research	M-GC-MGC	3
	b) Human Health Impacts of Climate Change: the International Dimension	M-GC-CCH	6

Spezielle Ordnung für den Bachelorstudiengang „Global Change – Ecosystem Science and Policy“	15.05.2020	7.36.08 Nr. 4
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	<del>e)</del> Adaptation to Global Change	<del>M-GC-AGC</del>	<del>3</del>
	<del>d)</del> Stress Ecology	M-GC-STE	3
	<del>e)</del> Into the Footsteps of a Researcher	M-GC-TEA	3
	<del>f)</del> Man in Past Climates and Climate Change Impacts	M-GC-MPC	3
	<b>Total CP in JLU for taught modules</b>		<b>35</b>
	Module 'Work Placement'	UCD	20
	Module 'Research Project/Thesis'	UCD	30
	<b>Total Number of CP</b>		<b>120</b>

- In Anlage 2 wird die Modulbeschreibung „Designing and Managing Global Change Research Projects“ gestrichen. An ihre Stelle tritt die Modulbeschreibung „Adaption to Global Change“, die hierhin aus dem Bereich „Optional Modules“ der JLU verschoben wird.
- In Anlage 2 wird die Modulbeschreibung „Future Crops and Food Security“ gestrichen; an ihre Stelle tritt die folgende Modulbeschreibung:

Spezielle Ordnung für den Bachelorstudiengang „Global Change – Ecosystem Science and Policy“	15.05.2020	7.36.08 Nr. 4
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BIOL40780	<b>Designing global change research projects</b>	5 CP
	<b>Designing global change research projects</b>	
Core module	UCD/School of Biology & Environmental Science	1 <sup>st</sup> Sem.
	to be registered for academic session 2019/20	
<p><b>Learning outcomes:</b> Students will</p> <ul style="list-style-type: none"> <li>• have enhanced critical reading and thinking;</li> <li>• be able to use literature databases and write a publishable scientific literature review;</li> <li>• know the structure of theses and scientific papers; communication writing styles and understanding of the peer review process;</li> <li>• know how to present scientific results at international conferences in the form of poster and oral presentations;</li> <li>• understand the various research approaches and methods that include quantitative, qualitative and mixed methods, as well as social/spatial research (grounded theory etc.);</li> <li>• have learned how to keep systematic records and time-management of the whole research process.</li> </ul>		
<p><b>Module content:</b> This module will prepare students for work placement in research institutions and for their research theses. The student will be equipped with all the tools necessary to design and produce a robust research proposal that will include a rationale (literature review), management timeline and will be underpinned by sound theoretical and methodological research design. This will be delivered in a workshop and seminars that will be student-led, requiring active participation.</p> <p>Module content:</p> <ul style="list-style-type: none"> <li>• design of a scientific and policy research proposal from initial ideas to a full proposal with adequate robust methodologies;</li> <li>• efficient organisation of scientific literature in databases and use of reference software;</li> <li>• develop greater awareness of narratives used in both scientific and policy publications and writing styles avoiding bias;</li> <li>• enhanced reading, understanding and writing of scientific papers (peer-reviewed);</li> <li>• methods and techniques of communication: poster with short presentation ('elevator pitch') and oral presentations during conference-style seminars.</li> </ul>		
<b>Availability and duration:</b> Winter, each year, one semester		
<b>In charge of the module:</b> School of Biology & Environmental Science *		
<b>Used in:</b> M.Sc. Global Change – Ecosystem Science and Policy		
<b>Prerequisites:</b> none		
<b>Class format and Workload:</b>	Presence:	Preparation / Reading / Exercises:
Seminars and Workshop	24 h	100 h

Spezielle Ordnung für den Bachelorstudiengang „Global Change – Ecosystem Science and Policy“	15.05.2020	7.36.08 Nr. 4
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Total:	124 h
<b>Pre-examination exercises:</b> none	
<b>Assignments:</b>	
<ul style="list-style-type: none"> <li>- Written essay based on a literature review (scientific paper): 50 %</li> <li>- Poster and oral presentation (50%)</li> <li>- The student will also participate in the Global Change Caravan whereby the student will make presentations to various student classes in UCD on global change science and policy topics.</li> </ul>	
Resit: essay and revised seminar paper within 4 weeks	
<b>Language of instruction:</b> English	
<b>Notes:</b> * Co-ordinator: Dr Florence Renou-Wilson	

**5. § 32 erhält folgende Fassung:**

„Diese Ordnung in der Fassung des 8. Änderungsbeschlusses gilt ab dem Sommersemester 2020. Bis dahin gelten die bisherigen Bestimmungen fort.“

**Art. 2  
Inkrafttreten**

Dieser Beschluss tritt am Tage nach seiner Verkündung in Kraft. Der neue Wortlaut der geänderten Ordnung wird in den Mitteilungen der Universität Gießen bekannt gemacht.

Gießen, den 21.01.2020  
Prof. Joybrato Mukherjee  
Präsident der Justus-Liebig-Universität Gießen