<u>Synopse</u>

Vierter Beschluss des Fachbereichs 08 – Biologie und Chemie - vom 27.01.2016 zur Änderung der Speziellen Ordnung für den Master-Studiengang Global Change: Ecosystem Science and Policy des Fachbereichs 08 – Biologie und Chemie und der School of Biology and Environmental Science des University College Dublin vom 27.07.2012 - zuletzt geändert durch den 3.Änderungsbeschluss vom 04.02.2015

I. In der Anlage 2 (Modulbeschreibungen) entfällt das Modul Reconstructing Paleoenvironments and Paleoclimates:

M-GC-PAL	Reconstru	ucting Paleoer	wironments and Pa	aleoclimates	Summer	6 CP		
Title of module	Reconstru	Reconstructing Paleoenvironments and Paleoclimates						
Code of module	M-GC-PAI	=						
Faculty / study	07/ Geog	raphy						
program / Institution								
used in StG / Sem.	2 Sem., N	I Sc Global Cha	nge					
Person in charge	Prof. Jürg	Prof. Jürg Luterbacher, PhD, Prof. Dr. Markus Fuchs						
Lecturers	Prof. Jürg	Luterbacher,	PhD, Prof. Dr. Mark	us Fuchs				
Prerequisites	None	None						
Course aims	The stude	ents will						
	-learn a	bout climate p	roxies (including fr	om biological :	archives) from	different		
	areas c	If the world lea	arn how statistical r	econstruction	s are perform	ed using		
	differe	different proxies and estimate uncertainties of past climate.						
		nd understand	l past climate varia	tions in differe	ent areas of th	e world,		
	-study a	nd understand	the role of differe	nt forcings (an	thropogenic, s	;un,		
	volcane	pes) responsib	le for past climate v	variations,				
	-discuss	relevance of	balaeoclimatology i	n the context	of current and	future		
	climate	. ,						
	-unders	tand the impo	rtance of chronolog	gies and time s	series,			
	-discuss	open issues ir	n palaeoclimatology	,				
	-learn p	alaeoclimatolo	ogical field work,					
	-practise	e and work on	various sediment a	irchives and p	roxies,			
	overwi –	ev of luminise	nce dating techniq ા	les.				
Course content	Paleoclim	atology is the	e study of climate	and environr	nental proces	ses in the		
	geologica	lly recent pa	ist prior to the	existence of	instrumenta	Frecords.		
	Instrumer	ntal records sp	an only a tiny frac	tion of the Ea	rth's climate h	istory and		
	so provic	le a totally i	nadequate perspe	ctive on clin	natic variation	and the		
	evolution	of climate	today. Studies of	past climate	s must begir	with an		
	understar	nding of the ty	pes of proxy data a	vailable and tl	ne methods us	ed in their		
	analysis.	The palaeorec	ord (derived from	marine and la	ke sediments,	-ice cores,		
	tree rings	, corals, cave c	leposits, biological	archives, histo	orical documer	its, etc.) in		
	concert w	rith modelling	of past scenarios	provides a qui	antitative und	erstanding		
	of past Ea	arth System va	riability and the ur	derlying proc	esses. In orde	r to better		
	understar	nd current glot	al changes and to	project future	scenarios, kno	wledge of		
	what ha	s happened	in the past is i	mperative. N	lowadays qu	estions in		
	palaeoclir	natology relat	e increasingly to th	e regional clir	natic and envi	ronmental		
	responses	s to global ch	ange, as these aff	ect societies	and form the	basis tor		
	efficient	adaptation m	easures. The cours	e will also in	clude 2 to 3	days field		
	course in	the vicinity o	f Giessen where in	tormation fro	m tree rings is	; gathered		
	which is t	used to derive	-palaeo temperatu	re and precipi	tation coverin	g the past		
	millennium.							
Class format	Lectures a	and 2 to 3 days	s tield course					
Workload	180 h Credit-Points: 6							
containing:		A Course		B self-study	e	Total		
			l.		examination			
		a presence	b			1		
	1		preparation/post			1		

			processing, LN			
	Lecture	80	25			
	Seminar	20	20			
	Practice	24	11			
	Total	124	56			180
Examination format	Oral presentation (30%), report (70%)					
Grading						
Repetition						
Availability	Summer, each year					
Duration	one semes	ster				
Acceptance capacity	None					
Language of	English					
instruction						
Literature	Will be dis	tributed and	d announced			
Notes	Information concerning modules and literature: see board of information / Date: see university calendar					

II. In der Anlage 2 (Modulbeschreibungen) wird das Modul Man in Past Climates and Climate Change Impacts neu aufgenommen:

M-GC-MPC	Man in Past Climates and Climate Change Impacts Summer							
Title of module	Man in Past Climates and Climate Change Impacts							
Code of module	M-GC-MPC							
Faculty / study	07/ Geography							
program / Institution								
used in StG / Sem.	2 Sem., MSc Global Change; 2 Sem., MSc MKP							
Person in charge	Prof. Dr. A. Dittmann / Prof. J. Luterbacher, PhD							
Prerequisites	None							
Course aims	The students will							
	 learn about climate proxies (including from biological archives) from 							
	different areas of the world covering the past 2000 years and their							
	suitability for estimating past climate,	suitability for estimating past climate,						
	 learn how statistical reconstructions are performed using different proxies 							
	and estimate uncertainties of past climate,	and estimate uncertainties of past climate,						
	 study and understand past climate variations in different cultures and 	<u>d</u>						
	<u>cultural contexts</u> ,	cultural contexts,						
	 study and understand the role of different forcings (anthropogenic, s 	un,						
	volcanoes) responsible for past climate variations,							
	 discuss relevance of palaeoclimatology in the context of current and 	<u>future</u>						
	<u>climate,</u>							
	 discuss open issues in palaeoclimatology and impacts on ecology and 	<u>k</u>						
	<u>society.</u>							
Course content	 Paleoclimatology as a study of climate and environmental processes 	<u>in the</u>						
	geologically recent past prior to the existence of instrumental record	<u>s</u>						
	 Studies and methods of past climates with an understanding of the t 	<u>ypes of</u>						
	proxy data available							
	 Modelling of past scenarios to understand past Earth System variabil 	ity and						
	the underlying processes							
	 2 to 3 days field course in the vicinity of Glessen where information f 	rom						
	tree rings is gathered which is used to derive paleo temperature and							
Class format	precipitation covering the past millennium							
Workload	190 h							
	A Course Dealf Courseinstian To	tal						
<u>containing:</u>	A Course B seit-	ndl						
	a processor h propagation (pact							
	a presence o preparation/post							

			processing, LN					
	Seminar	<u>20</u>	<u>20</u>	<u>20</u>	<u>40</u>			
	Practice	<u>20</u>	<u>20</u>	<u>40</u>				
	<u>Total</u>	<u>40</u>	<u>40</u>	<u>60</u>	<u>40</u>	<u>180</u>		
Examination format	Pre-exam	ination exerc	ise: short oral present	tation				
Grading								
<u>Repetition</u>	Examinat	on: written r	eport (65 %), oral pre	sentation ((<u>35 %)</u>			
<u>Availability</u>	Summer,	Summer, each year						
<u>Duration</u>	one seme	<u>ster</u>						
Acceptance capacity	None							
Language of	<u>English</u>							
instruction								
Literature	Will be di	stributed and	announced					
Notes	Information concerning modules and literature: see board of information / Date:							
	see university calendar							

III. In der Anlage 2 (Modulbeschreibungen) entfällt das Modul Global Challenges and Green Issues:

BIOL40110	Global Challenges and Green Issues				Winter	5-CP		
Title of module	Global Ch	Global Challenges and Green Issues						
Code of module	BIOL4011	BIOL40110						
Faculty / study	UCD, Biole	UCD, Biology & Environmental Science						
program / Institution								
used in StG / Sem.	1 Sem., M	I Sc Global Cha	nge					
Person in charge	Dr Jonath	an Yearsley						
Prerequisites	None							
Course aims	On succe	essful compl	etion of the cou	rse, students	will have a	-broad		
	understan	nding of the co	ontemporary Earth	Science issues	relating to ener	gy, the		
	environm	ent, climate cl	nange and policy.					
Course content	A module	that overview	/s global challenges,	green issues,	policy and the			
	multidisci	plinary resear	ch themes associate	d with the Str	uctured PhD			
	Programm	nes of UCD's E	arth Institute (http:/	//www.ucd.ie/	earth).			
	This mode	ale consists of	a seminar series (ro	ughly 15 semi	nars), given by le	ading		
	tigures fro	m academia a	and the private sector	or. Each semini	ar will have assoc	ated		
	reading m	laterial.						
Class format	Seminar			Constitution in the	F (D)			
WORKIO30		A. C		Credit-Points:		-		
containing:		A Course	1	B Self-Study	C examination	total		
		a presence	D					
			preparation/post					
	Construct	14	processing, LN			+		
	Seminar	14				+		
						+		
	Total	14		70		0.4		
Evenination format	- IDIJI Multiple (<u>14</u>	annaira. Multinla ch			84		
Examination format	wiuttipie C	-noice Questic	maire: muitiple ch	oice (100 %)				
Popotition								
Availability	Winter							
Duration	This modu	ule will only ru	in if numbers exceed	120 This will k	a confirmed in e	arly		
Duration	October			20. mis wii k		urry		
	The semin	ars will take r	lace over 3 consecu	tive days at th	o and of the first			
	semester	(typically the	1st week in Decemb	er).	e chu or the mst			
Acceptance capacity	None	(c) prodify ene						
. teeptunice capacity								

Language of	English
instruction	
Literature	
Notes	

IV. In der Anlage 2 (Modulbeschreibungen) wird das Modul Political Consulting – Environmental Policy and Development Cooperation neu aufgenommen:

M-GC-PCE	Political Consulting – Environmental Policy and Summer					<u>6 CP</u>		
	Develop	nent Cooperat	<u>tion</u>					
					•			
Title of module	Political C	Consulting – Er	vironmental Policy	and Developr	ment Cooperatio	<u>n</u>		
Code of module	M-GC-PC	E						
Faculty / study	08/ Biolo	gy/ Departme	nt of Plant Ecology					
program / Institution								
used in StG / Sem.	2 Sem., N	1Sc Global Cha	inge					
Person in charge	Chair of e	Chair of examination board MSc Global Change						
Lecturers	<u>N.N.</u>	N.N.						
Prerequisites	None							
Course aims	Political c	Political consulting is of growing importance in nowadays fast changing societies.						
	Current c	hallenges aris	e in the fields of er	nvironmental	policy and deve	lopment		
	<u>cooperati</u>	on according	to climate chang	e, globalisati	on, migration,	poverty,		
	<u>north-soเ</u>	ith divide etc.	On successful com	npletion of th	is module, stud	ents will		
	<u>have a br</u>	oad understar	nding of political cor	nsulting issues	s relating to thes	<u>e topics.</u>		
	They gair	an insight int	to practical work of	political con	sultants by expe	erts from		
	academia	i, public and pi	rivate organisations,	, and third see	ctor. Students			
	- beco	me aware of p	olitical approaches,	processes, fi	elds and actors,			
	- unde	rstand key cor	ncepts in political co	nsulting,				
	- learn	about possibi	<u>lities to influence de</u>	ecision-makin	g processes,			
	- analy	/se political ad	visers' ways of profe	essional and r	nethodical perfo	rmance.		
<u>Course content</u>	- Appr	<u>oaches, proce</u>	sses, fields and acto	ors of political	<u>consulting</u>			
	- <u>Lecti</u>	are series by ex	against povorty ogu	al rights one	rov transition	Sment		
	biodi	versity resear	sgainst poverty, equ	ai rigitts, eriei	gy transition,			
	- Best-	practice						
	- pract	ical exercises (on political consulti	ng				
Class format	Lecture. S	Seminar, practi	ice					
Workload	180 h	<u>, , , , , , , , , , , , , , , , , , , </u>	<u></u>	Credit-P	oints: 6			
containing:	10011	A Course		B self-	C examination	total		
<u> </u>				study				
		a presence	b preparation					
			/post processing,					
			LN					
	Lecture	<u>30</u>	<u>30</u>			<u>60</u>		
	Seminar	<u>20</u>	<u>20</u>	<u>20</u>	<u>40</u>	<u>100</u>		
	Practice	<u>8</u>	<u>12</u>			<u>20</u>		
	<u>Total</u>	<u>58</u>	<u>62</u>	<u>20</u>	<u>40</u>	<u>180</u>		
Examination format	Written r	eport (65%), o	ral presentation (35	<u>%)</u>				
Grading, Repetition								
Availability, Duration	Summer, each year, one semester							
Acceptance capacity	<u>None</u>							
Language of	<u>English</u>							
instruction								
<u>Literature</u>								
<u>Notes</u>	<u>Informati</u>	on concerning	modules and litera	<u>ture: see boai</u>	rd of information	n / Date:		
1	see university calendar							

V. In der Anlage 2 (Modulbeschreibungen) entfällt das Modul European Environmental Policy:

Tille of module European Environmental Policy Code of module PEP40560 Procenty/ Study UCD, Geog, Planning & Env Policy Justitution UCD, Geog, Planning & Env Policy Justitution UCD, Geog, Planning & Env Policy Justitution UCD, Geog, Planning & Env Policy Versequipties Dr. Finbarr-Brereton Person in charge Dr. Finbarr-Brereton Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course content Thi-module will comprehensively address European Union Environmental Policy under the following headings: J The module will comprehensively address for EU Environmental Policy under the following headings: J The module will comprehensively address for EU Environmental Policy such as precursor to Environmental Policy. Trans Boundary issues will be examined where relevant (e.g. air polition): J The module will then focur on legal basis for EU Environmental Policy, such as precursor to Environmental Policy in struments that can be employed in relation to	PEP40560	European	Environmental	Policy			Winter	5 CP		
Title of module European Environmental Policy Code of module PEP40560 Faculty/-study UCD, Geog. Planning & Env Policy program / Institution used in StG / Sem. 1.5em., MSc Global Change Person in charge Der Enbard Berreton Prerequisites None Course aims On successful completion of the course, students will be able to: On successful completion of the course, students will be able to: Demonstrate anadvanced understanding of current EU Environmental Policy. Obmonstrate Anowledge of policy linstruments that can be employed in relation to EU Environmental Policy. Demonstrate knowledge of policy dimmas: caused by Climate Change and formulate policy relepance to these problems, Ourse content This module will comprehensively address European Union Environmental Policy. Eourse content The module will comprehensively address European Union Environmental Policy. It. will examine the background and context. to EU Environmental Policy and determine when the environment become an EU Concern and examine the influence of issues such as acid rain, Climate Change and CFCs in Ozone layer-depletion as a precursor to Environmental Policy. Trans Boundary Issue will be examined where relevant (e.g. air policy instruments. that can be employed in relation to EU Environmental Policy. Such as Treaties and the structure of POG Environment. It will also eaver some of the specifie environmental Policy in a global context and outline		•								
Code-of-module PEP40550 reachty / study UCD, Geog, Planning & Env Policy used in StG / Sen. 1 Sem, MSc Global Change Person in charge Dr. Finbarr.Bizeroton Person in charge Dr. Sinbarr.Bizeroton Course aims On successful completion of the course, students will be able to: Course aims On successful completion and the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course content On successful completion of the course, students will be able to: Course content This module will comprehensively address - Buropean Union Environmental Policy in the address - Buropean Union Environmental Policy and determine when the environmental Policy: It will examine the background and context to EU Environmental Policy - and determine when the environmental Policy: It will examine the background and context to EU Environmental Policy - such - as procurso to Environmental Policy.Trans.Boundary issues will be examined where relevant (e.g. air polition ht. Covers the following areas: in: Quality. Noise Land use. Nature and biodiversity: energy:-waster and how these policies fit with national policies. <td< td=""><td>Title of module</td><td colspan="9">European Environmental Policy</td></td<>	Title of module	European Environmental Policy								
Facelity / study program / Institution UCD, Geog, Planning & Env Policy program / Institution Image: Completion of the course, students will be able to: Person-in-Charge Dr-Finbar-Brereton Person in-Charge Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course aims On successful completion of the course, students will be able to: Course content Demonstrate Anowledge of policy instruments that can be employed in relation to EU Environmental Policy; Course content Thic-module - will comprehensively-address-European-Union-Environmental Policy inder the following headings: i) The need for EU environment become on EU concern and examine the influence of issues such as acid rain, Climate Change and CFCc-in Ozone layer depletion as a precursor-to-Environmental-Policy. Trans-Boundary issues will be examined where relevant (e.g. air policy instruments to EU conviernmental Policy, such as Treaties and the structure of DG Environment. It will also cover some of the specific environmental legislation The module will then focus on legal basis for EU Environmental Policy, such as Treaties and the structure of DG Environment. It will also cover some of the specific environmental Policy in a global context and outure. Nature and biodiversity, energy, waster and how these policies fit with national policies. i	Code of module	PEP40560	PEP40560							
program/ Institution 1 Sem, MSc-Global-Change Berson-in-charge DF-Finbarr-Birection Prerequisities None Course-aims On-successful completion of the course, students will be able to: 	Faculty / study	UCD, Geog	UCD, Geog, Planning & Env Policy							
Institution Sem_MSc Global Change Person-In-charge Dr-Finbarr Brereton Prerequisities None Course aims On successful completion of the course, students will be able to: 	program /									
used in StC / Sem. 1 Sem., MSC Global Change Prerequisites None Course aims On successful completion of the course, students will be able to: - Demonstrate advanced knowledge of the origin of EU Environmental Policy, - Demonstrate an -advanced - understanding -of - current - EU Environmental Legislation, 7 - Demonstrate knowledge of policy instruments that can be employed in relation to EU Environmental Policy, - Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, - Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, - Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, - Demonstrate an early enders European Union Environmental Policy under the following headings: () The need for EU environmental Policy It will be advices such as a cid-rain, Climate Change and CFCs in Oxone layer depletion as a precursor to Environmental Policy. Trans-Boundary issues will be examined where relevant {e.g. air poliution}. (i) Environmental-legislation that covers the following areas: Air Quality: Noise; Land use, Nature and biodiversity; energy: waste, water and how these policies, fit with national-policies. (iii) Forkine mental Policy instruments that can be employed in relation to EU Environmental Policy in a global context and induction policy instruments the advison of EU Envinonmental Policy in a global context and i	Institution									
Person in charge Dr Einbarr Brereton Prerequisites On successful completion of the course, students will be able to: 	used in StG / Sem.	1 Sem., MS	Sc Global Change	e						
Prerequisites None Course aims On successful completion of the course, students will be able to: 	Person in charge	Dr Finbarr	Brereton							
Course-aims On successful completion of the course, students will be able-to: • Demonstrate advanced knowledge of the origin of EU Environmental Policy, • Demonstrate is a advanced understanding of current EU Environmental Policy, • Demonstrate knowledge of policy instruments that can be employed in relation to EU Environmental Policy, • Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems; • Develop self directed learning skills. Course content This module will comprehensively address European Union Environmental Policy under the following headings: • • Develop self directed learning skills. Course content This module will comprehensively address European Union Environmental Policy under the following headings: • • The need for EU environmental Policy European develop and context to EU Environmental Policy and determine when the environmental Policy. Trans-Boundary issues will be examined where relevant (e.g. air pollution). • • Devironmental Deligitation The module will then focus on legal basis for EU Environmental Policy, such as a precursor to Environmental Legislation • • Devironmental Policy in a global context • • Diversionmental Policy in a global context and use. Nature and biodiversity: energy: wate; water and how these policies fit with national policies. • • De Environmental Policy in a global context • • Diversion formal Policy in a global context and outline where the EU is leading the way in global to	Prerequisites	None								
Demonstrate advanced knowledge of the origin of EU Environmental Policy Demonstrate an advanced understanding of current EU Environmental Legislation, Demonstrate knowledge of policy instruments that can be employed in relation to EU Environmental Policy Develop self-directed learning skills. Course content This module will comprehensively address European Union Environmental Policy under the following headings: i) — The need for EU environmental Policy it will examine the background and context to EU Environmental Policy under the following headings: ii) — The need for EU environmental Policy it will examine the background and context to EU Environmental Policy under the following headings: ii) — The need for EU environmental Policy it will examine the background and context to EU Environmental Policy and context to Eu Environmental Policy under the following headings: ii) — The need for EU environmental Policy. Trans-Boundary issues will be examined where relevant (e.g. air pollution); iii) — Environmental Policy. Trans-Boundary issues will be examined where relevant (e.g. air pollution); iii) — Environmental legislation The module-will then focus-on legal basis for EU Environmental Policy, such as Treaties and the structure of DG Environment. It will also cover some of the specific environmental legislation that covers the following areas: Air Quality, Noice, Land use, Nature and biodiversity; energy, waste; water and how these policies. iii) Policy Instruments It will examine the types of policy instruments that can be employed in relation to EU Environmental Policy in a global context and outline where the EU is leading the way in global terms in relation to Green Policy initiatives. This includes commitments under treates such as the Kyoto protocol. Easemination format Ecture ad-precise Accourse	Course aims	On success	On successful completion of the course, students will be able to:							
Demonstrate an advanced understanding of current EU Environmental Legislation , Demonstrate knowledge of policy instruments that can be employed in relation to EU Environmental Policy, Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, Demonstrate knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems, Demonstrate became an EU concern and examine the influence of issues such as acid rain, Climate Change and CCCs in Ozone layer depletion as a precursor to Environmental Policy. Trans-Boundary issues will be examined where relevant (e.g. air pollution). II) — Environmental Policy. Trans-Boundary issues will be examined where relevant (e.g. air pollution). II) — Environmental Registation The module will then focus on legal basis for EU Environmental Policy, such as Treaties and the structure of DG Environment. It will also cover some of the specific environmental legislation that covers the following areas: Air Quality. Noise: Land use: Nature and biodiversity: energy: waste; water and how these policies fit with national policies. iii) Policy instruments It will examine the types of policy instruments that can be employed in relation to EU Environmental Policy such as market based instruments (e.g. EU Emissions Trading Scheme, Environmental Policy in a global context Finally, there will be a discussion of EU Environmental Policy in a global context and outline where the EU is leading the way in global terms in relation to Green Policy initiatives. This includes commitments under treaties such as the Kyoto protecol. Class format Lecture and practice Vorkload		• D	emonstrate adv	anced knowled	lge of t l	he origin of EL	l-Environmenta	ıl Policy,		
e-Demonstrate-knowledge of -policy-instruments that can be employed in relation to EU Environmental-Policy; e-Demonstrate-knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems; course content This-module-will comprehensively address-European Union-Environmental Policy under the following headings; i) The need for EU environmental Policy it will examine the background and context to EU Environmental Policy and determine when the environmental Policy rans Boundary Issues will be examined where relevant (e.g. air pollution). ii) The need for EU environmental Policy instruments that can be examined where relevant (e.g. air pollution). iii) Policy instruments Headings; iii) The module will comprehensively address event to EU Environmental Policy, such as precursor to Environmental Policy. Trans Boundary Issues will be examined where relevant (e.g. air pollution). iii) Policy instruments I cours on legal basis for EU Environmental Policy, such as Treaties and the structure of DG Environment. It will also cover some of the specific environmental Policy in a global context and use; Nature and biodiversity; energy; waste; water and how these policies fit with national policies. iii) Policy instruments It will examine the types of policy instruments that can be employed in relation to EU Environmental Policy in a global context and outline where the EU is leading the way in global terms in relation to Green Policy initiatives. This includes commitments under treatis such as the Kyoto protocol.		• D	emonstrate an	advanced un	derstar	nding of curr	ent EU Envir	ənmental		
Course content Course content Course content Course content Course content This module will comprehensively address European Union Environmental Policy under the following headings: The need for EU Environmental Policy The module will comprehensively address European Union Environmental Policy and determine when the environmental Policy rans Boundary issues will be examined where relevant (e.g. air pollution).		- L e	egislation ,							
ended on televel bankformmatal Policy. ended on track knowledge of policy dilemmas caused by Climate Change and formulate policy responses to these problems; ended on the European Climate Change and formulate policy responses to these problems; course content This module will comprehensively-address European Union Environmental Policy under the following headings: i) The need for EU environmental Policy It will examine the background and context. to EU Environmental Policy and determine when the environment became an EU concern and examine the influence of issues such as acid rain, Climate Change and CFCs in Ozone layer depletion as a precursor to Environmental Policy. Trans Boundary issues will be examined where relevant (e.g. air pollution). ii) Environmental Legislation The module will then focus on legal basis for EU Environmental Policy, such as Treates and the structure of DG Environment. It will also cover some of the specific environmental legislation that covers the following areas: Air Quality, Noise; Land use, Nature and biodiversity; energy; waste; water and how these policies fit with national policies. iii) Policy Instruments It will examine the types of policy instruments that can be employed in relation to EU Environmental Policy on a global context and outline where the EU is leading the way in global terms in relation to Green Policy initiatives. This includes commitments under treaties such as the Kyoto protocol. Class format Lecture and practice Workload Credit Pointis: 5 CP containing:		• •	emonstrate kno	wledge of po	Hicy In:	struments tha	t can be em l	Hoyed in		
Course content Course content Course content This module will comprehensively address European Union Environmental Policy under the following headings: The need for EU environmental Policy the wamine the background and context to EU Environmental Policy the meed for EU environmental Policy the need for EU environmental Policy the meed for EU environmental Policy the meed for EU environmental Policy the meed for EU environmental Policy the meed for EU environmental Policy, the meed for EU environmental Policy, the meed for EU environmental Policy, the meed when the environment legislation The module will then focus on legal basis for EU Environmental Policy, such as are reales and the structure of DG Environment. It will also cover some of the specific environmental legislation The module will then focus on legal basis for EU Environmental Policy, such as are reales and the diversity; energy; waste; water and how these policies fit with national policies. will be adiscustore the following areas: Air Quality, Noise; Land use; Nature and biodiversity; energy; waste; water and how these policies fit with national policies. the will eve adiscustore the specific environmental Policy in a global context		re	Hation to EU En	Aronmental Pol	нсу,					
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Grading Repetition	Examination format	Accignmen	50 + (25%) oversite	ation (7E%)		04		100		
Repetition	Examination format	Assignmen	it (∠ɔ‰), examin	auon (75%)						
	Repetition									

Availability	Winter, each year
Duration	one semester
Acceptance	None
capacity	
Language of	English
instruction	
Literature	
Notes	

VI. In der Anlage 2 (Modulbeschreibungen) wird das Modul Environmental Law and Policy neu aufgenommen:

LAW30440	Environmental Law and Policy				Winter	<u>5 CP</u>
					•	
Title of module	Environme	ental Law an	d Policy			
Code of module	LAW30440		^			
Faculty / study	UCD. School	of Law				
program / Institution						
used in StG / Sem.	1 Sem., MSc	Global Change	<u>e</u>			
Person in charge	Dr Andrew J	ackson	_			
Prerequisites	None					
Course aims	On completi	on of this mod	lule, diligent stud	ents should: (1) have a good	
	grounding in	n the history ar	nd key principles	of substantive	environmental la	aw; (2)
	understand	<u>how environm</u>	ental law is enfor	rced and the r	emedies available	<u>e for</u>
	breach of en	vironmental la	aw at national, Eu	iropean and ii	nternational level	<u>s; (3)</u>
	understand	the implication	ns of the level at v	which environ	mental law is ma	<u>de -</u>
	domestic, Eu	uropean and ir	<u>nternational; (4) h</u>	<u>ave develope</u>	<u>d an awareness c</u>	of the
	challenges t	hat this field o	f law faces and w	ill face in the	<u>future.</u>	
Course content	Environmen	tal law is funda	amental to how s	ociety interac	ts with the natura	<u>al</u>
	world aroun	d it. This modu	ule will examine t	he key princip	les of environme	<u>ental</u>
	law, its unde	erlying philoso	phies, and how it	is applied, at	national, Europe	an and
	internationa	l levels. It will	trace the develop	oment of envir	ronmental law to	date
	and its source	ces, and will ex	amine how envir	onmental law	has become an i	ntegral
	part of many	y aspects of co	mmunity life. Fur	idamental col	icepts and princi	pies or
	<u>environmen</u>	tal law will be	ing from climate	ontemporary	international and	
	and the law	of custoinable	development Pr	<u>change law, n</u>	ature conservation	<u>bo</u> ho
	studied in de	or sustainable	ule will not deal i	n donth with	Planning Law wh	<u>uch</u> is
	covered in a	senarate mod		in depth with		
Class format	Lectures Sp	ecified Learnin	ng Activities			
Workload	20000103, 00			Credit-Points	: 5 CP	
containing:		A Course		B Self-	C examination	total
<u></u>				study		
		a presence	b			
			preparation/po	<u>st</u>		
			processing, LN			
	Lectures	<u>24</u>		<u>64</u>		<u>88</u>
	Specified	<u>12</u>				<u>12</u>
	<u>Learning</u>					
	<u>Activities</u>					
	<u>Total</u>					<u>100</u>
Examination format	Essay (25%),	Examination (<u>(75%)</u>			
Grading						
Repetition						
Availability	Winter, each	<u>i year</u>				
Duration	one semeste	<u>er</u>				
Acceptance capacity	<u>None</u>					

Language of	English
instruction	
Literature	
Notes	

VII. In der Anlage 2 (Modulbeschreibungen) erhält die Modulübersicht folgende Fassung:

UCD	Core modules	Code	Credits
	Core Skills for Research	BIOL40010	5
	Plant-Atmosphere Climate Interaction	BOTN40180	5
	Global Change – Introduction	ENVB40130	5
	Science and Policy	BIOL40140	5
	Environmental Impact Assessment	ENVB40040 <u>LAW30440<mark>PEP4056</mark></u>	5
	Environmental Law and Policy European Environmental Policy	θ	5
	Optional modules		5
	a) Biodiversity	ZOOL40010	5
	b) Peatland and Environmental Change	ENVB40040	5
	c) Global Change and Green Issues		
	Total CP in UCD for taught modules		35
JLU	Core modules	Code	Credits
	Plant-Soil-Atmosphere Interactions	M-GC-PSA	5
	Ecosystem and Model development	M-GC-ÖUM	3
	Policy Consultancy	M-GC-PBR	6
	Resource Economics and Environmental Management	M-GC-REM	6
	Biodiversity Informatics	M-GC-BDI	3
	Reconstructiong Palaeoenvironments and Paleoclimates Man in		
	Past Climates and Climate Change Impacts	M-GC- PAL<u>MPC</u>	6
	Optional modules		6
	a) Scientific Presentations in Ecology	M-GC-SEM	3
	b) Evolutionary Biology	M-GC-EVO	3
	Die Human Health Impacts of Climate Change: the International Dimension	M-GC-CCH	6
	c)d) Global Change – Advanced Techniques	M-GC-GCE	3
	d) Political Consulting – Environmental Policy and Development		5
	Cooperation	M-GC-PCE	<u>6</u>
	Total CP in JLU for taught modules		35
	Module 'Work Placement'	UCD	20

Module 'Work Placement'	UCD
Module 'Research Project/Thesis'	UCD

Total Number of CP