Study and Examination Plan

Earth an	d Environmental Sciences (EES)														
Matriculation Fa	all 2022				<u> </u>										
	Program-Specific Modules	Туре	Assessment	Period	Status ¹	Sem. CP			Jacobs Track Modules (General Education)	Туре	Assessment	Period	Status ¹	Sem.	СР
Year 1 - CHO						45									15
Take the mandator	y CHOICE modules listed below, this is a requirement for the EES progra.	m				15	11		Units Matheda / Shills						10
CH-130	Madule: Coneral Farth and Environmental Sciences (default minor)				m	1 75		ITMS MAT 07	Madule: Mathematical Concents for the Sciences				m	1	5
CH-130-A	Structure and Geological Evolution of the Earth	Lecture		1		2.5	- 6	JTMS-07	Mathematical Concepts for the Sciences	Lecture	Written exam	Examination period	1 m	1	5
CH-130-B	Structure and Dynamics of the Earth's Atmosphere and Oceans	Lecture	Written Exam	Examination period		2.5	-	51110 07	interentien concepts for the belences	Lecture	in the chain	-Examination period			
CH-130-C	Anthropogenic Impact on the Earth's Surface Environment	Lecture / Field Lab				2.5	-								
CH-131	Module: General Geosciences (default minor)				m	2 7.5		JTMS-SCI-15	Module: Chemistry for Natural Scientists		·	^	m	2	5
CH-131-A	Volcanism and Metamorphism	Lecture				2.5		JTMS-15	Chemistry for Natural Scientists	Lecture	Written exam	Examination period	i m	2	5
CH-131-B	Sedimentology	Lecture	Oral examination	Examination period		2.5	_								
CH-131-C	Structural Geology	Lecture				2.5							_		
Unit: CHOICE (own selection) 1+2 30									Unit: Language			,	m		5
Take four further 0	CHOICE modules from those offered for all other study programs							****	German is default language. Native German speakers take modules	n another offer	ed language.				
							-	JILA-XXX	Module: Language 1	Saminar	Various	Various	m	1	2.5
							-	JILAAAA	Language 1	Seminar	Various	various	inc		2.5
								JTLA-xxx	Module: Language 2				m	2	2.5
								JTLA-xxx	Language 2	Seminar	Various	Various	me		2.5
Year 2 - CORI	E					45									15
Take all CORF me	udules listed below or replace 15 CP with suitable CORF modules from oth	er study programs ²													
ruke un conta mo	Unit: Marine Environmental Science (default minor)	er sindy programs				15			Unit: Methods / Skills						10
CO-460	Module: Environmental Science (default minor)				me	3 7.5		Select from Method	ls / Skills modules offered in the Fall semester						
CO-460-A	Marine Environments	Lecture				2.5		JTMS-xxx-xx	Module: Methods (own selection)		Various	Various	me	3	5
CO-460-B	Environmental Geochemistry	Lecture	Written Exam	Examination period		2.5									
CO-460-C	Environmental Mineralogy	Lecture				2.5	_								
CO-461	Module: Oceanography (default minor)				me	4 7.5		JTMS-SCI-17	Module: Physics for the Natural Sciences				m	2	5
CO-461-A	Physical Oceanography	Lecture				2.5	-	JTMS-17	Physics for the Natural Sciences	Lecture	Written exam	Examination period	1		5
CO-461-B	Marine Geophysics	Lecture	Written Exam	Examination period		2.5	-						_		
CO-461-C	Oceanographic Research Cruise	Field Lab		Į.		2.5	-				l				-
CO 462	Unit: Geochemistry and Resources					4 75	-		Unit: Language	n on other offer	ad han onto on	1	_		5
CO-462	aroune: ocoreensity or rgiteous and Aqueous Systems Imposite Trace Element and Rationeric Isotone Geochemistry Lecture				me	4 7.5		ITI A vvv	Module: Language 3	n another offer	ed anguage.			3	2.5
CO-462-R	Aqueous and Marine Geochemistry	Lecture	Written Exam	Examination pariod		2.5	- P	JILA-XXX	Language 3	Saminar	Various	Various	me	3	2.5
CO-462-C	Stable Isotone Geochemistry	Lecture	written Exam	Examination period		2.5	-	JILAAAA	Language 5	Seminar	Various	various	inc	-	2.5
CO-463	Module: Mineral, Metal and Water Resources			λ	me	3 7.5	-	JTLA-xxx	Module: Language 4				m	4	2.5
CO-463-A	General Mineral Resources	Lecture				2.5		JTLA-xxx	Language 4	Seminar	Various	Various	me		2.5
CO-463-B	Critical High-Technology Metals: Resources and Environmental Impact	Lecture	Written Exam	Examination period		2.5	-								
CO-463-C	Fieldcamp: Geology, Metals and Freshwater Resources	Field Lab				2.5									
	Unit: Earth Data Science and Remote Sensing					15	_								
CO-464	Module: Earth Data Science			-	me	4 7.5	_						_		
CO-464-A	Surface and Subsurface Systems: Data, Models, and Processes	Lecture				2.5									
CO-464-B	Marine and Almospheric Systems: Data, Models, and Processes	Lecture	Project	Examination period		2.5	-						_		
CO-404-C	Madular Coophysical Remote Sensing	Lecture				2.5	-			_					
CO-465-A	Farth and Planetary Surfaces in Remote Sensing Data	Lecture		1	me	2 5	-			-					
CO-465-B	Climate System Dynamics Observed from Space	Lecture	Term Paper	During the Semester		2.5	-			_					
CO-465-C	Global Geophysical Fields and Models	Lecture	r enn r uper	During the Demoster		2.5	-								
Year 3 - CARE	ER					45			•						15
CA INT 900	Module: Internshin / Startun and Career Skills				m	4/5 15			Unit: Big Questions						10
CA-INT-900-0	Internshin / Startup and Career Skills	Internshin	Report/Business Plan	During the 6 th consector	1 1	4/5 15		ITPO mm	Module: Big Questions				m	E16	
Module Code	Module: Sominar / Thesis EFS	internship	report busiless I all	During the 5 semester		6 15	- 1	Take a total of 10 C	P of Big Questions modules (each 2.5 or 5 CP) as mandatory elective	Various	Various	Various	ma	5/0	10
CA FEC 800 T	Thesis EES			15 th of Mari		12		ruite a total of 10 c	Linit: Community Impact Project	Various	Various	various	inc		5
CA-EES-800-1	Coming EEC		Thesis and Presentation	During the compositor		12		ITCL CL 050	Madular Community Impact Project					-	5
CA-EES-800-S	Seminar EES			During the semester		3		JTCI-CI-950	Module: Community Impact Project	Derivet	During	Providence in		3	3
	CD (consideration LES				m	15		J I CI-930	Community impact Project	Project	Project	Examination period	1		3
T-1	CP of specialization modules	F: 14 F -1	Derive Derived	Durin da anno 1		6 6				-			-	+ +	
Take a total of 15	A house of E address I E address and C data and E 111 L d	Field Lab	Project Report	During the semesterd	me	5 5	-							+ +	
Take a total of 15 CA-S-EES-801	Advanced Earth and Environmental Sciences Field Lab	T	0-1E			3 5								1	
Take a total of 15 CA-S-EES-801 CA-S-EES-802	Advanced Earth and Environmental Sciences Field Lab Global Change and Systems Thinking	Lecture	Oral Exam	Examination period	me	5 5	-								
Take a total of 15 CA-S-EES-801 CA-S-EES-802 CA-S-EES-803	Advanced Earth and Environmental Sciences Field Lab Global Change and Systems Thinking Modelling of Earth System Data	Lecture Lecture	Oral Exam Term Paper	Examination period Examination period	me	5 5									
Take a total of 15 CA-S-EES-801 CA-S-EES-802 CA-S-EES-803 CA-S-EES-804	Advanced Earth and Environmental Sciences Field Lab Global Change and Systems Thinking Modelling of Earth System Data Current Topics in Earth and Environmental Sciences	Lecture Lecture Seminar	Oral Exam Term Paper Term Paper	Examination period Examination period Examination period	me me	5 5 5 5									
Take a total of 15 CA-S-EES-801 CA-S-EES-802 CA-S-EES-803 CA-S-EES-804 Total CP	Advanced Earth and Environmental Sciences Field Lab Global Change and System Thinking Modelling of Earth System Data Current Topics in Earth and Environmental Sciences	Lecture Lecture Seminar	Oral Exam Term Paper Term Paper	Examination period Examination period Examination period	me me	5 5 5 5 45									180
Take a total of 15 CA-S-EES-801 CA-S-EES-802 CA-S-EES-803 CA-S-EES-804 Total CP ¹ Status (m = man	Advanced Earth and Environmental Sciences Field Lab Global Change and Systems Thinking Modelling of Earth System Data Current Topics in Earth and Environmental Sciences statory, me = mandatory elective)	Lecture Lecture Seminar	Oral Exam Term Paper Term Paper	Examination period Examination period Examination period	me me	5 5 5 5 45									180