

MESP Program Overview

Term 1 (Fall)			
Module	Courses (no. of CEU /ECTS credits)	Instructor(s)	Notes
Foundational Courses	NHB: Introduction to Environmental Sciences: The Non-Human Biosphere (1/2)	R. Mnatsakanain	Choose 3 of 4, graded option only
	HB: Introduction to Environmental Sciences: Humans and the Biosphere (1/2)	R. Mnatsakanian	
	IEP: Introduction to Environmental Policy and Society (1/2)	A. Antypas	
	IEM: Introduction to Environmental Management (1/2)	A. Cherp	
Advanced Clusters	SES: Sustainable Management of Socio-Ecological Systems (2/4)	B.P. Anthony, J. Sendzimir	2 of 4 must be chosen for grade
	GPJ: Environmental Governance, Politics and Justice (2/4)	A. Antypas, T Steger, G. Aistara	
	ETC: Energy Transitions and Climate Change (2/4)	A. Cherp	
	RMP: Resource Management and Pollution Control (2/4)	Z. Illes, R. Mnatsakanian, V. Lagutov	
Environmental Research Methods	GST: Geospatial Technologies for Environmental Professionals (1/2)	V. Lagutov	2 of 5 must be chosen for grade
	IEER: Intro to Economics for Environmental Research (1/2)	L. Hoglund	
	EIA-I: Intro to Environmental Impact Assessment (1/2)	A. Cherp	
	QLRM: Introduction to Qualitative Research Methods (1/2)	A. Antypas	
	QNRM: Introduction to Quantitative Research Methods (1/2)	A. Schaffartzik	
Academic Skills	Student Conference (1/2)	All resident faculty	mandatory
	TP-I: Thesis Preparation I (1/2)	A. Schaffartzik	mandatory for US accreditation
	AW: Academic Writing (2/0)	CAW	mandatory for US accreditation
Term 1: Min. no. of credits = 13/26 (max. 15/30 for Grade + 2/4 for Audit)			

Term 2 (Winter)			
Advanced Clusters (students can choose 1 or 2 Clusters).			
Cluster [Coordinator]	Courses (no. of CEU credits/ECTS credits)	Instructor(s)	Notes
Sustainable Management of Socio-Ecological Systems [B. Anthony] [7/14 credits offered]	ETHN: Ethnoecology (1/2)	W. Twine, B.P. Anthony, R. Rahimov, L. Jaber	<u>1 Cluster:</u> any 6 credits from cluster <u>2 Clusters:</u> any 4 credits from cluster
	AOGS: Agroecology & Organic Gardening Systems (2/4)	G. Aistara, L. Strenchock	
	ICE: Introduction to Circular Economy (2/4)	Z. Illes, T. Centofanti	
	ECEC: Ecological Economics (2/4)	A. Schaffartzik	
Environmental Governance, Politics and Justice [A. Antypas] [10/20 credits offered]	AGEG: Advanced Topics in Global Environmental Governance (2/4)	A. Antypas	<u>1 Cluster:</u> any 6 credits from cluster <u>2 Clusters:</u> any 4 credits from cluster *Also counts towards RMP cluster
	GFAD: Global Food, Agriculture & Development (2/4)	G. Aistara	
	PST: Policies for Sustainable Transport (2/4)*	Z. Illes	
	PEEJ: The Political Ecology of Environmental Justice (2/4)	T. Steger, G. Aistara	
	IELG: International Environmental Law and Governance (2/4)	S. Stec	
Energy Transitions & Climate Change [A. Cherp] [6/12 credits offered]	SET: Sustainable Energy Transitions (2/4)	A. Cherp	<u>1 Cluster:</u> any 6 credits from cluster <u>2 Clusters:</u> any 4 credits from cluster
	CC: Climate Change: Drivers, Mechanisms, Impacts and Responses (2/4)	D. Urge-Vorsatz	
	DEBU: Decarbonization and Business (2/4)	A. Novikova, M. Olshanskaya	
Resource Management and Pollution Control [Z. Illes] [10/20 credits offered] + PST (2/4)	SWM: Sustainable Water Management (2/4)	Z. Illes, D. Cogalniceanu	<u>1 Cluster:</u> any 6 credits from cluster <u>2 Clusters:</u> any 4 credits from cluster
	IHWM: Industrial - Hazardous Waste Management and Pollution Control (2/4)	Z. Illes	
	NRU: Natural Resources Use in the 21 st Century (2/4)	R. Mnatsakanian	
	EPBR: Environmental Pollution & Biological Remediation Methods (2/4)	T. Centofanti	
	EO: Earth Observations in Monitoring SDGs (2/4)	V. Lagutov	
Professional Skills and Methods [13/26 credits offered]	EIA-II: Environmental Impact Assessment Advanced (2/4)	A. Cherp, M. Vetier	<u>1 Cluster:</u> any 6 credits from cluster <u>2 Clusters:</u> any 4 credits from cluster <u>ALL:</u> min 2 credits for grade
	EMON: Environmental Monitoring (2/4)	B.P. Anthony, T. Kovacs	
	ENPR: Environmental Practicum (2/4)	V. Lagutov	
	QERM: Qualitative Environmental Research Methods (2/4)	A. Antypas	
	Data Science for the Sustainable Development Goals (2/4)	E. Omodei [cross-listed]	
	IGA: Introduction to Geospatial Analysis (3/6)	V. Lagutov	
Academic Skills	TP-II: Thesis Preparation II (2/4)	A. Schaffartzik	mandatory for US accreditation
Term 2: Min. No. of Credits = 12/24 (max. 14/28 for Grade + 2/4 for Audit)			

Term 3 (Spring/Summer)			
Host	Courses (no. of CEU/ECTS credits)	Instructor(s)	Notes
	TP-III: Thesis Preparation III (1/2)	A. Schaffartzik	mandatory: US
	Thesis Research, Writing & Submission (10/20)	varies	mandatory
Term 3: Min. no. of credits = 11/22			
TOTAL no. of credits = 13/26 + 12/24 + 11/22 = 36/72			