



Development of Regional Joint Master Program in Maritime Environmental Protection and Management - MEP&M -

PMB meeting #4

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Project no. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP



Activities in 2022



Activities from 1st project year still to be finalised

Ref.nr/ Sub-ref nr	Title		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Dev 1.2	GAP analysis	8					2=	3=	3=					
Dev 1.3	Reporting on actions and model for introduction of new joint interdisciplinary MSc program in MEP&M in English language	12								3=	3=	3=	3=	

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Activities in 2022



Reporting on actions and model for introduction of new joint interdisciplinary MSc program in MEP&M in English language

REPORT

Dev 1.3 Part 1: Introduction (UCA_F)

Part 2: On basis of Project application, Proposed curricula by AMUD, UV and UoM, DEV 1.1 and DEV 1.2 to propose curriculum for MSc MEP&M (UCA_F+E, UoM)

Part 3: On basis of DEV 1.1 and DEV 1.2 to propose DL technology and methodology for MSc MEP&M (UL,UoM)

Part 4: Conclusion (UCA_F)

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Curricula from application



#	Se m.	Course title	# of hours	ECTS	O/E	Short description
1	I	Scientific Research Methodologies and Tools	2+2+0	7	O	
2	I	Advanced statistics / Data analysis and statistical methods.	2+2+0	8	O	
3	I	Professional Development	2+2+0	7	O	
4	I	Blue growth	2+2+0	8	O	
5	II	Environmental and Climate change policies and legislative framework	2+1+1	8	O	
6	II	Marine ecosystems	2+1+1	8	O	
7	II	Maritime safety and security	2+2+0	7	O	
8	II	Marine Environmental Pollution and Prevention	2+1+1	7	O	
9	III	Environmental Management and Sustainable Development	2+2+0	7	O	
10	III	Climate Change Mitigation	2+2+0	7	O	
11	III	Integrated Coastal Management	2+1+1	8	O	
12	III	Elective courses or project work	2+1+1	8	E	
13	IV	Master degree thesis		30		

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#	Se m.	Course title	# of hours	ECTS	O/E	Short description
1	I	Research skills, methods and tools	2+2+0	10	O	This module aims to equip students with the practical skills and contextual framework for conducting high-quality research. Emphasis is placed on workshop opportunities to acquire and practise research planning, analysis, communication, writing and oral presentation skills. Also, data analysis and statistical tools will be presented.
2	I	Fundamentals of (Earth's) environmental science, pollution and sustainable development	2+2+0	10	O	This course is designed to provide students with a sound foundation in basic principles and unifying concepts of Environmental Science Topic selection is based on major themes of modern environmental sciences: humans and sustainability; science and ecological principles; sustaining biodiversity and natural resources; and sustaining environmental quality and human societies. Students will gain an awareness of the importance of Earth's systems (Atmosphere, Hydrosphere, Lithosphere, Biosphere) in sustaining our daily lives, plus the scientific foundation and tools needed to apply critical thought to contemporary environmental issues. UN Sustainable Development Goals.
3	I	Blue economy / Blue growth	2+2+0	10	O	The aim of this course is to describe the ownership over the marine and maritime resources, and the main governance systems that regulate these ownerships. The course will survey the basic elements of marine industrial activities such as fisheries, aquaculture, shipping, off-shore and tourism, and how these activities are managed and regulated in various regions of the world.
4	II	Marine ecology and conservation	2+1+1	10	O	This module introduces the basic elements of marine ecology on ecosystems and biodiversity, addresses the main threats posed by humans, and the main conservation measures with a particular focus on MPAs, Legal principles governing problems of marine environment at national and EU level..
5	II	Marine environmental pollution and prevention	2+1+1	10	O	The course will address the various topics such as: Sources of marine pollution (Blue economy industry, Agriculture, Maritime transport, Energy, Offshore drilling, Mining etc); Degradation of coastal area; Air pollution; Marine pollution such as Eutrophication, Bacterial contamination, Algal blooms; Aquaculture; Fishery; Wastewater; Ballast water; Pollution by oil; Litter and plastic waste, Legal principles governing problems of marine environment at national and EU levels.
6	II	GHG emission and climate change mitigation policies	2+1+1	10	O	Basic modules: 1. Climate Change Science, 2. International Legal and Policy Framework for Climate Change, 3. Climate Change Adaptation, 4. Climate Change Mitigation, 5. Climate Change Finance 6. Planning for Climate Change

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#	Se m.	Course title	# of hours	ECTS	O/E	Short description
7	III	Environmental management standards and Impact Assessment	2+2+0	10	O	The course aims to introduce the Environmental management standards ISO 14000 series and concepts, procedures and methodology of Environmental Impact Assessment (EIA), to develop a critical awareness of factors which affect the use of EIA as part of project management in the legislative and regulatory context of recently- industrialized or less - industrialized countries, and to expose the students to the need for environmental impact assessments and how to prepare the various documents required by state regulations.
8	III	Elective course #1	2+1+1	10	E	To be selected by student
9	III	Elective course #2	2+1+1	10	E	To be selected by student
		Sustainable Development of Maritime transport				
		Green ports/marinas development				
		Sustainable Development of Coastal tourism				
		Management of offshore energy and mineral resources				
		Ocean renewable energy				
		Fisheries management				
		Integrated Coastal Management				
		Management of protected marine areas and species				
		Maritime safety and security				
		Entrepreneurship & Blue Innovation				
13	IV	Master degree thesis		30		

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THANK YOU FOR YOUR ATTENTION!

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