ERASMUS MUNDUS JOINT MASTER DEGREE IN WATER AND COASTAL MANAGEMENT, WACOMA

1ST YEAR = 60 ECTS + WACOMA SCHOOL 6 ECTS = TOTAL OF 66 ECTS



8 Sustainable development UN: Goal 6 and Goal 14

9 Conventions (RAMSAR, Regional Seas, OSPAR, HELQOM, UNEP)

2 TOT 18 ECTS

2

BLOCK 2: Ecotoxicol	gical evaluation of Risk in Water and Coastal Management, BIO07	
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	(3 modules = 6 ECTS)	ECTS
1	Ecotoxicity tests in Risk Assessment	2
2	Bioavailability and bioaccumulation: Keys for the quality of ecosystems	2
3	Integrated tools to determine environmental quality	2
4	Integrative assessment of sediment quality in aquatic ecosystems	2
5	General methodology to assess quality of coastal ecosystems	2
		TOT 10 ECT

	BLOCK 3: Geochemistry,GEO08 (3 modules = 6 ECTS)	ECTS
1	Basis for sediments and dredged material management	2
2	Coastal land subsistence effects on freshwater resources and flood risk	2
3	Coastal flooding hazard	2
4	Hydrometereological hazard and risk at the coastal zones	2
	Land reclamation and drainage effect and feedback with water freshening and	
5	salinization	2
6	Quarrying and mining activities impacts on water quality	2
		TOT 12 ECT

	BLOCK 5: Biology of aquatic organisms, BIO01 (3 modules = 6 ECTS)	ECTS
1	Microbial potential for the attenuation of contaminants in coastal ecosystems	2
2	Alien species	2
3	Biological tools for coastal management	2
4	Remote sensing: algal booms	2
5	Integrated water resources and natural areas management in the coastal zone	2
		TOT 10 ECT

BLOC	K 6: Environmental Impact and Management, FIS07 (3 modules = 6 ECTS)	ECTS
1	Modeling physical-biological processes	2
2	Climate change and extreme events effect on flood hazard	2
3	Techniques for the diagnosis on ICZM process	2
4	Salt marshes for flood risk management strategies	2
5	Complex satellite monitoring of coastal zones	2
6	Coastal and marine areas: managing complex systems	2
7	Natural Hazard (SENDAI)	2
8	Remote sensing: management applications	2

TOT 16 ECTS

ERASMUS MUNDUS JOINT MASTER DEGREE IN WATER AND COASTAL MANAGEMENT, WACOMA

2nd YEAR = 54 ECTS AT THE SELECTED UNIVERSITY (UNIBO, or UALG or UCA)

INTERNSHIP (8 ECTS) at Company/Institution under agreement with the Tutor at the selected University

MASTER THESIS (MINIMUM OF 34 ECTS). Work at the selected University, allowed max 3 months of stay at an Associated Partner

COMPLEMENT TO 54 ECTS, if required in the student's plan (MAX 12 ECTS in Language and

	scientific skills)	
1 2 3 4 5 6 7	Scientific skills) Environmental English Proposal writing Scientific paper writing Literature review Data Bank searching Further language skills Data management and intepretation	4 2 2 2 2 2 2 2 2 2
8	Geomatics and GIS	2
9	Fieldwork skills	2
10	Scientific Diving	2

WACOMA SUMMARY - 120 ECTS				
FIRST YEAR 66 ECTS (Core modules at UNIBO, W School at UALG, Optional blocks at UCA)				
	CORE MO	DULES AT UNIBO	30 ECTS	
	WINTER S	CHOOL AT UALG	6 ECTS	
	OPTIONA	BLOKS AT UCA	30 ECTS	
SECOND	YEAR	54 ECTS		
	INTERNSH	IIP	8 ECTS	
	INTERNSH RESEARCH		8 ECTS 34 ECTS	(min)
	RESEARCH			(min) (max)
	RESEARCH	I PERIOD	34 ECTS	· ,
	RESEARCH	I PERIOD	34 ECTS	· ,