

## Annex 1.

### 1. Study programme for a GDANSK Student enrolled in MSc Studies in Environmental Engineering wishing to obtain the Engineering and Innovative Technologies for the Environment” curriculum in Environmental Science and Engineering (LM35) at the UNIPA

#### 1.1. List of Subjects to be taken at the HOME Institution

<b>Danzika STUDENT - Subjects at Danzika</b>
<b>Name and Subject at the Home Institution</b>
Fluid Mechanics and Hydraulics
Environmental Chemistry
Environmental Microbiology
Water Supply and Wastewater Disposal
Statistics
Groundwater and Soil Protection
Environmental Impact Assessment
Engineering Surveying and GIS Applications
Wastewater Engineering
Water Treatment
Waste Management
Water Resources Management
Numerical Modeling of Hydrosystems
Foreign Language
Management and Environmental Monitoring
Urban Hydrology
Thesis

#### 1.2. List of Subjects to be taken at the HOST Institution

<b>Danzika STUDENT - Subjects at UNIPA</b>
<b>Name and Subject at the Host Institution</b>
SUSTAINABILITY OF INDUSTRIAL PROCESSES (Cod. 20559)
ADVANCED PROCESSES AND ENVIRONMENTAL MODELS - INTEGRATED COURSE (Cod. 20706)
MANAGEMENT OF SANITARY AND ENVIRONMENTAL SYSTEMS (Cod. 18086)
SAFETY MANAGEMENT (Cod. 16079)

At the end of the program, the GDANSK student must write a final thesis in English. The final thesis will be defended at the HOME Institution (GDANSK) in English (the Defence Committee may be composed also of Members of the Host Institution also in conference call). The final thesis might be co-tutored by a member of the HOST Institution. The Master student should deposit one copy of his/her thesis at both institutions.

2. Study programme for a UNIPA Student enrolled in Laurea magistrale through “Engineering and Innovative Technologies for the Environment” curriculum in Environmental Science and Engineering (LM35) at the UNIPA wishing to obtain the MSc Studies in Environmental Engineering at the GDANSK.

2.1. List of Subjects to be taken at the HOST Institution

<b>UNIPA STUDENT - Subjects at GDANSK</b>
<b>Name and Subject at the Home Institution</b>
Management and Environmental monitoring
Foreign Language
Environmental Microbiology
Urban Hydrology
Numerical Modeling of Hydrosystems
Thesis

2.2. List of Subjects to be taken at the HOME Institution

<b>UNIPA STUDENT - Subjects at UNIPA</b>
<b>Name and Subject at the Home Institution</b>
COMPLEMENTS OF ENVIRONMENTAL HYDRAULICS (Cod. 8999)
RECLAMATION OF CONTAMINATED SITES (Cod. 09005)
ENERGY EFFICIENCY AND SYSTEM AND PROCESS ECO-DESIGN - INTEGRATED COURSE (Cod. 20552)
CHEMICAL INDUSTRIAL PROCESSES AND TREATMENT OF GASEOUS EFFLUENT (Cod. 09002)
HYDROGEOLOGICAL RISK MITIGATION (Cod. 20553)
SUSTAINABILITY OF INDUSTRIAL PROCESSES (Cod. 20559)
PRINCIPLES OF CONSTRUCTION TECHNIQUE (Cod. 13675)
ADVANCED PROCESSES AND ENVIRONMENTAL MODELS - INTEGRATED COURSE (Cod. 20706)
MANAGEMENT OF SANITARY AND ENVIRONMENTAL SYSTEMS (Cod. 18086)
SAFETY MANAGEMENT (Cod. 16079)
FINAL EXAMINATION (Cod. 05917)

At the end of the program, the UNIPA student must write a final thesis in English. The final thesis will be defended at the HOME Institution (UNIPA) in English (the Defence Committee may be composed also of Members of the Host Institution also in conference call). The final thesis might be co-tutored by a member of the HOST Institution. The Master student should deposit one copy of his/her thesis at both institutions.

### 3.1 List of equipollence between the two Master study programs

Name of the Subject at GDANSK	Name of the Subject at UNIPA	GDANSK ECTS	UNIPA ECTS
Project Management	MANAGEMENT OF SANITARY AND ENVIRONMENTAL SYSTEMS (Cod. 18086)	3	6
Thesis		2	
Interactive Decision Making	SAFETY MANAGEMENT (Cod. 16079)	2	9
Spatial Planning with team project		2	
Water Reuse		2	
Fluid Mechanics and Hydraulics	COMPLEMENTS OF ENVIRONMENTAL HYDRAULICS (Cod. 8999)	5	9
Thesis		2	
Environmental Chemistry	CHEMICAL INDUSTRIAL PROCESSES AND TREATMENT OF GASEOUS EFFLUENT (Cod. 09002)	2	9
Water Supply and Wastewater Disposal		4	
Environmental Impact Assessment	HYDROGEOLOGICAL RISK MITIGATION (Cod. 20553)	2	12
Wastewater Engineering		4	
Water Treatment		4	
Thesis		1	
Thesis	RECLAMATION OF CONTAMINATED SITES (Cod. 09005)	2	9
Groundwater and Soil Protection		5	
Engineering Surveying and GIS Applications	ENERGY EFFICIENCY AND SYSTEM AND PROCESS ECO-DESIGN - INTEGRATED COURSE (cod. 20552)	3	12
Waste Management		4	
Water Resources Management		4	
Modeling Methodologies for the Environment	ADVANCED PROCESSES AND ENVIRONMENTAL MODELS - INTEGRATED COURSE (cod. 20706)	5	9
Thesis Seminar		2	
Thesis	STAGES	1	12
Foreign Language		4	
Environmental Microbiology		2	
Numerical Modeling of Hydrosystems		4	
Socio-humanistic subject	SUSTAINABILITY OF INDUSTRIAL PROCESSES (cod. 20559)	2	6
Thesis		3	
Management and Environmental Monitoring	Free Subjects	2	9
Urban Hydrology		4	
Statistics	PRINCIPLES OF CONSTRUCTION TECHNIQUE (Cod. 13675)	3	6
Thesis		2	
Thesis	FINAL EXAMINATION (Cod. 05917)	7	12
<b>TOTAL WHOLE MASTER DEGREE</b>		<b>94</b>	<b>120</b>