

**"GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI**  
**FACULTY OF CHEMICAL ENGINEERING AND ENVIRONMENTAL PROTECTION**

Domaine: **Environmental Engineering**

Specialization: **ENVIRONMENTAL MANAGEMENT AND SUSTAINABLE ENERGY**

Title of graduated: **Master of Science**

Period of studies : **2 years**

Learning program: **daily in english**

**CURRICULUM**

**YEAR I, 2013 – 2014**

No.	Discipline	Code	Prerequisites	1 <sup>st</sup> Semester						2 <sup>nd</sup> Semester							
				No.h/week/ discipline					Final evaluation	K	No.h/week/ discipline					Final evaluation	K
				C	S	L	P	CD			C	S	L	P	CD		
501	Policies and strategies for sustainable development	DA DI		2	1	-	-	-	C	5							
502	Optional 1 Ecology and environmental protection	DA DO		2	-	1	-	-	E	6							
	Advanced water and air treatment technologies	DA DO															
503	Solid waste management	DS DI		2	-	-	1	-	E	7							
504	Environmental assessments (impact, audit)	DA DI		2	-	-	2	-	E	7							
505	Environmental monitoring	DA DI		2	-	1	-	-	E	5							
506	Integrated environmental management	DA DI		-	-	-	-	-	-	-	2	-	-	2	-	E	7
507	Sustainable industrial production	DA DI		-	-	-	-	-	-	-	2	1	-	-	-	E	6
508	Sustainable energy production	DS DI									2	-	1	-	-	E	6
509	ICT applications for environmental protection	DS DI									2	-	1	-	-	C	5
510	Optional 2 Electromagnetic pollution	DS DO									2	-	1	-	-	E	6
	Data acquisition and teletransmission																
Total hours per week, total evaluations and credits on semester				10	1	2	3	-	4 E 1 C	30	10	1	2	3	-	4 E 1 C	30
				16					16								

E – exam; C – colloquium; PE-Periodical Evaluation; ID – imposed discipline; SD – specialization discipline; OD – optional discipline.

**RECTOR,**

**Prof. Dr. Eng. Ion Giurma**

**DEAN,**

**Prof. Dr. Eng. Dan Cașcaval**

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**CURRICULUM**

**YEAR II, 2014 – 2015**

No.	Discipline	Code	Prerequisites	1 <sup>st</sup> Semester						2 <sup>nd</sup> Semester								
				No.h/week/ discipline					Final evaluation	K	No.h/week/ discipline					Final evaluation	K	
				C	S	L	P	CD			C	S	L	P	CD			
601	Sustainable consumption and integrated product policies	DA DI		2	-	-	2	-	E	7								
602	Management of hydrotechnical and hydropower establishments	DS DI		2	-	-	1	-	E	6								
603	Optio- -nal 3	Research planning and project management Life Cycle Assessment and Environmental Performances (	DA DO	2	1	-	-	-	C	5								
604	Optio- -nal 4	GIS techniques	DS DO	2	-	1	-	-	E	6								
		Modeling and simulation of environmental processes	DS DO															
605	Industrial and ecological risk management	DS DI		2	-	-	1	-	E	6								
606	Scientific research for dissertation project	DA DI		-	-	-	-	-	-	-				16	-	C	20	
	Elaboration of the dissertation project															C	10	
	Total hours per week, total evaluations and credits on semester			10	1	1	4	-	4 E 1 C	30	-	-	-	16	-			30
				16								16					2C	

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