



## MASTER'S DEGREE IN ENERGETIC ENGINEERING

### DEGREE PROGRAMME 2015/2016

Course contents are available at this [link](#)

#### 1<sup>st</sup> year – 1<sup>st</sup> semester

Teaching course	SSD*	TAF*	Credits	h
Integrated Course: Energetics and Thermal Hvac Systems				
- Module: Energetics	ING-IND/11	B	6	60
- Module: Thermal Hvac Systems	ING-IND/11	B	6	60
Power Systems Generation and Economics	ING-IND/33	B	9	90
Occupational Safety and Environmental Protection	ING-IND/28	F	6	60
Total Credits 1 <sup>st</sup> year – 1 <sup>st</sup> semester			27	

#### 1<sup>st</sup> year – 2<sup>nd</sup> semester

Teaching course	SSD	TAF	Credits	h
Nuclear Reactor Physics	FIS/04	C	9	90
Exploration Geophysics	GEO/11	C	6	60
Energy Systems 1	ING-IND/09	B	8	80
Elective activities <sup>1</sup>		D	6	
Total Credits 1 <sup>st</sup> year – 2 <sup>nd</sup> semester			29	

#### 2<sup>nd</sup> year – 1<sup>st</sup> semester

Teaching course	SSD	TAF	Credits	h
Thermal Plant Control	ING-INF/04	C	9	90
Integrated Course: Electrical Energy Management and Electrical Vehicles				
- Module: Electrical Energy Management	ING-IND/32	B	7	70
Applied Electromagnetism in Electrical and Energy Engineering	ING-IND/31	C	6	60
Total Credits 2 <sup>nd</sup> year – 1 <sup>st</sup> semester			22	



**2<sup>nd</sup> year – 2<sup>nd</sup> semester**

Teaching course	SSD	TAF	Credits	h
Integrated Course: Electrical Energy Management and Electrical Vehicles - Module: Electrical Vehicles	ING-IND/32	B	5	50
Environmental Conscious Energy and Chemical Processes	ING-IND/25	B	9	90
Renewable Energy Technologies	ING-IND/09	B	6	60
Elective activities <sup>1</sup>		D	7	
Total Credits 2 <sup>nd</sup> year – 2 <sup>nd</sup> semester			27	
Final Exam		E	15	

**Total credits                    120**

**\*Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity

- (1) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.