Università degli Studi di Cagliari
FACOLTA' DI INGEGNERIA E ARCHITETTURA

MASTER'S DEGREE IN ELECTRICAL ENGINEERING

DEGREE PROGRAMME 2015/2016

Course contents are available at this link

1st year – 1st semester

Teaching course	SSD*	TAF*	Credits	h
Analysis and Control of Mimo Systems	ING-INF/04	C	6	60
Integrated Course: Power Systems: Analysis, Dynamics and Stability - Module: Power Systems Analysis and Control	ING-IND/33	B	6	60
Applied Electromagnetism in Electrical and Energy Engineering	ING-IND/31	B	9	90
Measurements for Electric Energy	ING-INF/07	B	9	90
Total Credits 1st year – 1st semester			30	

1st year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Electrical Drives and Electromagnetic Compatibility	ING-IND/32	B	9	90
Integrated Course: Power Systems: Analysis, Dynamics and Stability - Module: Power Systems Dynamics and Stability	ING-IND/33	B	6	60
Safety and Project Management at Construction Sites	ING-IND/28	C	6	60
Elective activities[1]		D	9	
Total Credits 1st year – 2nd semester			30	

2nd year – 1st semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Electrical Energy Management and Electrical Vehicles - Module: Electrical Energy Management	ING-IND/32	B	7	70
Integrated Course: Circuits Design for Signal Processing - Module: Nonlinear Systems and Chaos	ING-IND/31	B	6	60
Power Systems Generation and Economics	ING-IND/33	B	9	90
Elective activities[1]		D	6	
Other activities		F	3	
Total Credits 2nd year – 1st semester			31	

2nd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Electrical Energy Management and Electrical Vehicles - Module: Electrical Vehicles	ING-IND/32	B	5	50
Integrated Course: Circuits Design for Signal Processing - Module: Analog and Digital Filters	ING-IND/31	B	6	60
Other activities		F	3	
Final Exam		E	15	
Total Credits 2nd year – 2nd semester			29	

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.