



Muğla Sıtkı Koçman Üniversitesi
Graduate School Of Natural And Applied Sciences

Energy

Enerji Tezli Yüksek Lisans

Master of Science Programme in Energy

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENR5001	Renewable Energy Sources	3+0+0	Compulsory	4
ENR5701	Special Studies	4+0+0	Compulsory	6
FBE5090	Research Methods and Scientific Ethics	2+0+0	Compulsory	2
ENR5503	Energy Storage Devices	3+0+0	Elective	6
ENR5515	Energy Projects	3+0+0	Elective	6
ENR5517	Applied Mathematics	3+0+0	Elective	6
ENR5525	Materials and Systems for Energy Storage and Conversion	3+0+0	Elective	6
ENR5527	Materials Characterization for the Energy Applications	3+0+0	Elective	6
ENR5529	Materials Science for Energy Applications	3+0+0	Elective	6
ENR5531	Production Techniques of Nanofibers	3+0+0	Elective	6
ENR5533	Characterization Methods of Nanofibers	3+0+0	Elective	6
ENR5535	Energy Applications of Nanomaterials	3+0+0	Elective	6
ENR5537	Fuel Cells	3+0+0	Elective	6
ENR5539	Recycling and Energy Gain	3+0+0	Elective	6
ENR5541	supercapacitors	3+0+0	Elective	6
ENR5543	Photovoltaic Technologies	3+0+0	Elective	6
Total ECTS				90

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENR5090	Seminar	0+2+0	Compulsory	6
ENR5702	Special Studies	4+0+0	Compulsory	6
ENR5520	Biomass Energy	3+0+0	Elective	6
ENR5526	Computer Supported Decision Process	3+0+0	Elective	6
ENR5538	World Energy Sources	3+0+0	Elective	6
ENR5540	Polymers and Composites in Energy Conversion and Storage	3+0+0	Elective	6
ENR5542	Electrochemical Energy Systems	3+0+0	Elective	6
ENR5544	Electrical Characterization of Semiconductor Materials and Devices	3+0+0	Elective	6
FBE5500	Project Development and Management	3+0+0	Elective	6
Total ECTS				54

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENR5703	Special Studies	4+0+0	Compulsory	6
ENR5801	M.Sc.Thesis	0+0+0	Compulsory	24
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ENR5704	Special Studies	4+0+0	Compulsory	6
Total ECTS				6