



**Muğla Sıtkı Koçman Üniversitesi**  
**Graduate School Of Natural And Applied Sciences**

**Energy**

**Yenilenebilir Enerji Kaynakları ve Teknolojileri (Doktora)**

**Doctor of Philosophy Program in Renewable Energy Sources and Technologies**

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
FBE5090	Research Methods and Scientific Ethics	2+0+0	Compulsory	2
YENR6001	Renewable Energy Technologies	3+0+0	Compulsory	6
YENR6701	Special Studies	4+0+0	Compulsory	6
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
<b>Total ECTS</b>				<b>92</b>

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6090	Seminar	0+2+0	Compulsory	6
YENR6702	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
YENR6002	Advanced Energy Storage Technologies	3+0+0	Elective	6
<b>Total ECTS</b>				<b>54</b>

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6703	Special Studies	4+0+0	Compulsory	6
YENR6810	Preparation For Qualifying Exam	0+0+0	Compulsory	24
<b>Total ECTS</b>				<b>30</b>

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6704	Special Studies	4+0+0	Compulsory	6
YENR6811	Ph.D. Thesis Proposal	0+0+0	Compulsory	24
<b>Total ECTS</b>				<b>30</b>

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6705	Special Studies	4+0+0	Compulsory	6
YENR6812	PH.D. THESIS (1. TİK)	0+0+0	Compulsory	24
<b>Total ECTS</b>				<b>30</b>

6.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6706	Special Studies	4+0+0	Compulsory	6
YENR6813	PH.D. THESIS (2. TİK)	0+0+0	Compulsory	24
<b>Total ECTS</b>				<b>30</b>

7.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6707	Special Studies	4+0+0	Compulsory	6
YENR6814	Ph.D. Thesis (3. TİK)	0+0+0	Compulsory	24

## 8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
YENR6708	Special Studies	4+0+0	Compulsory	6
YENR6815	PH.D. THESIS (THESIS DEFENCE)	0+0+0	Compulsory	24
			Total ECTS	30

Muğla Sıtkı Koçman Üni.