

Renewable Energy Systems (M.Sc.)

Appendix: C: Compulsory Course

E: Elective Course

M: Mandatory Course

1 st Semester				
Code No	Course Title	Type	Hours/Week	ECTS units
101	Applied Thermodynamics	C	3	6,0
102	Advanced Materials	C	3	6,0
103	Computational Mechanics	C	3	6,0
104	Engineering Economics & Cost Analysis	C	3	6,0
105	Advances in Heat Transfer	C	3	6,0
TOTAL			15	30,0

2 nd Semester				
Code No	Course Title	Type	Hours/Week	ECTS units
201	Mechanical Engineering Design & Optimization	C	3	6,0
202	Computational Fluid Dynamics	C	3	6,0
203	Energy Conversion Systems	C	3	6,0
204	Renewable Energy Systems I	C	3	6,0
205	Renewable Energy Systems II	C	3	6,0
TOTAL			15	30,0

3 rd Semester				
Code No	Course Title	Type	Hours/Week	ECTS units
301	Diploma Thesis	M	-	30,0
TOTAL			-	30,0

Each and every one of the above Courses can be delivered also in English, and, therefore, all of them can be offered to the European Union students, in the context of the ERASMUS or/and the ERASMUS+ Programme.

On behalf of the MSc Studies Program of the IHU Department of Mechanical Engineering,

The Director of the Program,

Professor **Anastasios MOISIADIS**