

International Energy Engineering Module Overview



		1. Semester – SS		2. Semester – WS		3. Semester – SS	
		ECTS	SWS	ECTS	SWS	ECTS	SWS
1	Compulsory Modules	10	8	15	12		
1.1	Simulation of Energy Systems	5	4				
1.2	Scientific Research and Methods			5	4		
1.3	Innovation Management and Communication			5	4		
1.4	International Energy Law and Energy Economics	5	4				
1.5	Project with Seminar			5	4		
2	Elective Modules*	20	16	15	12		
2.1	Wind and Hydropower			5	4		
2.2	Solar Energy	5	4				
2.3	Digital and Integrated Energy Systems	5	4				
2.4	Energy Storage	5	4				
2.5	Electrochemical Energy Converters and Hydrogen Technology	5	4				
2.6	Energy Efficiency	5	4				
2.7	Sustainable Building Technology			5	4		
2.8	Bioenergy	5	4				
2.9	Plant and Equipment Design in Energy Technology			5	4		
2.10	Concepts of Combined Heat, Power and Cooling			5	4		
2.11	Sustainable Mobility	5	4				
2.12	Methods fo Life Cycle Assessment			5	4		
2.13	Energy Management with AI-Methods			5	4		
3.	Master Thesis					30	-
Sum		30	24	30	24	30	-

* Out of the electives seven modules have to be selected (35 ECTS-points in total). The offer depends on the election result.