

Modul 3-44: ENERGY ECONOMICS AND TECHNOLOGIES					ETIT-505	
Turnus	Duration	Studienabschnitt	LP	Präsenzanteil	Eigenstudium	
Annually in winter semester	1 Semester	3. Semester	5	35 h	115 h	
1	Modulstruktur					
	Nr.	Element / Lehrveranstaltung	LSF-Nr.	Typ	SWS	
	1	Energy Economics and Technologies Lecture	08 xxxx	V	2	
	2	Energy Economics and Technologies Presentations	08 xxxx	Ü	1	
2	Lehrveranstaltungssprache Englisch					
3	Lehrinhalte The course focuses on the technologies and economics of energy transitions and the role of public policy in shaping such processes. The content of the course is inherently interdisciplinary, focusing on the technological, economic, social, and environmental challenges related to energy transitions. The students become familiar with the concepts and tools of energy economics and policy analysis. It covers a diverse set of technologies, policy instruments and strategies to support energy transitions and discusses their effectiveness, efficiency and equitability. Literature K. Blok: Introduction to Energy Analysis D. Martinez et. al: Energy Efficiency					
4	Kompetenzen After successfully completing the course, students are familiar with technologies, policy strategies and instruments driving the deployment of sustainable energy solutions. Furthermore, students are able to estimate the economic and social impacts of such policies.					
5	Exams <i>Modulprüfung:</i> <ul style="list-style-type: none"> oral presentations (date to be confirmed) Power point slides as pdf including to be sent to the instructor a week ahead of the presentation at the latest * *All dates will be published two weeks after the start of the lecture at the very latest.					
6	Prüfungsformen und –leistungen <input checked="" type="checkbox"/> Modulprüfung <input type="checkbox"/> Teilleistungen					
7	Teilnahmevoraussetzungen None					
8	Modultyp und Verwendbarkeit des Moduls Wahlpflichtmodul im Masterstudiengang „Elektrotechnik und Informationstechnik“, Studienschwerpunkte „Informations- und Kommunikationstechnik“, „Elektrische Energietechnik“. Wahlpflichtmodul im Masterstudiengang Wirtschaftsingenieurwesen, empfohlener Schwerpunkt „Informationstechnik“, Referenzmodulnummer: MB-XXX					
9	Modulbeauftragte/r Prof. Stefan Palzer, PhD Dozentin Dr. Sibylle Braungardt		Zuständige Fakultät Fakultät für Elektrotechnik und Informationstechnik			