DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

Course Details				
Code	**Academic Year**			**Semester**
EBT403	4			7
Title	**T**	**A**	**L**	**ECTS**
Energy Economy and Policy	2	2	0	6

Language	German					
Level	**Undergraduate**	**X**	**Graduate**		**Postgraduate**	
Department / Program	Department of Energy Science and Technology (German)					
Forms of Teaching and Learning	Face to Face					
Course Type	**Compulsory**	**X**	**Elective**			
Objectives	The students learn the complex relationships between technical, economic and political aspects of energy supply. You can understand the effects of industrial companies on the energy supply, determine practical degrees of freedom and economic determinants of operational energy supply and evaluate the effects of dynamic political framework conditions.					
Content	Introduction to the energy industry, energy law, introduction to energy policy, energy markets, use and regulation of energy networks, properties of electricity and natural gas supply, potential and importance of Demand Side Management (DSM), technical and economic aspects of industrial energy supply.					
Prerequisites						
Coordinator						
Lecturer(s)						
Assistant(s)						
Work Placement	No					

Recommended or Required Reading	
Books / Lecture Notes	-
Other Sources	-

Additional Course Material	
Documents	-
Assignments	-
Exams	-

Course Composition		
Mathematics und Basic Sciences		%
Engineering	60	%
Engineering Design		%

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Social Sciences		%
Educational Sciences		%
Natural Sciences	40	%
Health Sciences		%
Expert Knowledge		%

Assessment

Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz	0	0
Assignments	0	0
Attendance	0	0
Recitations	0	0
Projects	0	0
Final Exam	1	60
	Total	**100**

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	14	2	28
Self-Study	13	4	52
Assignments	5	10	50
Presentation / Seminar Preparation			
Midterm Exam	1	2	2
Recitations	14	1	14
Laboratory	14	2	28
Projects	1	2	2
Final Exam			
		Total Work Load	**176**
		ECTS Points (Total Work Load / Hours)	**6**

Learning Outcomes

1	The students learn the complex relationships between technical, economic and political aspects of energy supply. You can understand the effects of industrial companies on the energy supply, determine practical degrees of freedom and economic determinants of operational energy supply and evaluate the effects of dynamic political framework conditions.

Weekly Content

1	Introduction to the energy industry, energy law, introduction to energy policy, energy markets, use and regulation of energy networks, properties of electricity and natural gas supply, potential and importance of Demand Side Management (DSM), technical and economic aspects of industrial energy supply.

Contribution of Learning Outcomes to Program Objectives (1-5)

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	P1	P2	P3	P4	P5	P6	P7
1	5	5	5	5	5	5	5
2							

Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High
Compiled by:	
Date of Compilation:	