DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

Course Details								
Code					**Academic Year**			**Semester**
PRK400					4			8
Title					**T**	**A**	**L**	**ECTS**
Internship Seminar					2			5
Language	German							
Level	**Undergraduate**	**X**	**Graduate**		**Postgraduate**			
Department / Program	Department of Energy Science and Technology							
Forms of Teaching and Learning	Face to Face							
Course Type	**Compulsory**	**X**	**Elective**					
Objectives	Gathering knowledge and experience in the application fields of Energy Science.							
Content	Selected study topics in the application areas of Material Science - Product development / R&D - Materials and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management							
Prerequisites								
Coordinator								
Lecturer(s)								
Assistant(s)								
Work Placement								
Recommended or Required Reading								
Books / Lecture Notes								
Other Sources								
Additional Course Material								
Documents								
Assignments								
Exams								
Course Composition								

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

Mathematics und Basic Sciences		%
Engineering		30%
Engineering Design		30%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		40%

Assessment

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

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures			
Self-Study	8	12	96
Assignments			
Presentation / Seminar Preparation			
Midterm Exam			
Recitations			
Laboratory			
Projects	1	20	20
Final Exam			
		Total Work Load	**116**
		ECTS Points (Total Work Load / Hours)	**4**

Learning Outcomes

1	Gathering experience in the application areas of Energy Science
2	Gathering experience in work flow and work processes
3	Gathering experience in planning and timing

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

4	Taking responsibility in working environment
5	Getting experience in team work
6	Getting experience about work safety
7	
8	
9	
10	
11	
12	
Weekly Content	
1	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
2	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
3	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
4	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
5	Selected study topics in the application areas of Energy Science - Product development / R&D –Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
6	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
7	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
8	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
9	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

10	Selected study topics in the application areas of Energy Science - Product development / R&D – Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
11	Selected study topics in the application areas of Energy Science - Product development / R&D - Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
12	Selected study topics in the application areas of Energy Science - Product development / R&D – Energy and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management
13	
14	
15	

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

	P1	P2	P3	P4	P5	P6	P7	P8
1	5	5	5	5	5	5	5	5
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

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