

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGIES
COURSE SYLLABUS

| Course Details | | | | | | |
|---------------------------------|---|---|---------------|---|--------------|----------|
| Code | | | Academic Year | | | Semester |
| EWT406 | | | 4 | | | 8 |
| Title | | | T | A | L | ECTS |
| Energy Management | | | 3 | 2 | 0 | 6 |
| Language | German | | | | | |
| Level | Undergraduate | X | Graduate | | Postgraduate | |
| Department / Program | Energy Science and Technologies | | | | | |
| Forms of Teaching and Learning | Face to face | | | | | |
| Course Type | Compulsory | X | Elective | | | |
| Objectives | The students obtain a deep knowledge about the legal framework of energy supply. They learn political decision making as well as energy policy in national and international levels. They learn the processes and procedures about the applications of infrastructure measures and the important social processes on energy supply. | | | | | |
| Content | National and international level of law and politics of energy, Energy Management Regulations and Systems, National and International Energy Markets, Infrastructure Measures, Power Plant Construction and Connections, Social Issues Related to Energy. | | | | | |
| 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 | | | | | 20% | |
| Engineering Design | | | | | 20% | |
| Social Sciences | | | | | % | |
| Educational Sciences | | | | | % | |

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| | | | |
|---------------------------------------|-------|----------------|-------------------|
| Natural Sciences | | 20% | |
| Health Sciences | | % | |
| Expert Knowledge | | 40% | |
| Assessment | | | |
| Activity | Count | Percentage (%) | |
| Midterm Exam | 1 | 40 | |
| Quiz | | | |
| Assignments | | | |
| Attendance | | | |
| Recitations | | | |
| Projects | | | |
| Final Exam | 1 | 60 | |
| Total | | 100 | |
| ECTS Points and Work Load | | | |
| Activity | Count | Duration | Work Load (Hours) |
| Lectures | 15 | 2 | 30 |
| Self-Study | 15 | 6 | 90 |
| Assignments | | | |
| Presentation / Seminar Preparation | | | |
| Midterm Exam | 1 | 2 | 2 |
| Recitations | 15 | 2 | 30 |
| Laboratory | | | |
| Projects | 1 | 30 | 30 |
| Final Exam | 1 | 2 | 2 |
| Total Work Load | | | 184 |
| ECTS Points (Total Work Load / Hours) | | | 6 |
| Learning Outcomes | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

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| | |
|----|--|
| 9 | |
| 10 | |
| 11 | |
| 12 | |

Weekly Content

| | |
|----|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |

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

| | P1 | P2 | P3 | P4 | P5 | P6 | P7 |
|----|----|----|----|----|----|----|----|
| 1 | | | | | | | |
| 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



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| Compiled by: | |
| Date of Compilation: | |