

Course of Study Environmental Engineering (Study Cohort w16)

Sample course plan B Master Environmental Engineering (IMPEE) Specialisation Waste and Energy

Legend:

| | | | |
|-------------------------------|---------------------------|---------------------------|------------------------------|
| Core qualification Compulsory | Specialisation Compulsory | Focus Compulsory | Thesis Compulsory |
| Core qualification Elective | Specialisation Elective | Focus Elective Compulsory | Interdisciplinary complement |
| Compulsory | Compulsory | | |

| LP | Semester 1 | Form | Hrs/wk | Semester 2 | Form | Hrs/wk | Semester 3 | Form | Hrs/wk | Semester 4 | Form | Hrs/wk |
|----|--|------|--------|--|------|--------|--|------|--------|----------------------|------|--------|
| 1 | Waste Treatment Technologies | | | Geochemical Engineering | | | Study Work Waste and Energy | | | Master Thesis | | |
| 2 | Biological Waste Treatment | POL | 3 | Geochemical Engineering | VL | 2 | | | | | | |
| 3 | Waste and Environmental Chemistry | PR | 2 | Contaminated Sites and Landfilling | VL | 2 | | | | | | |
| 4 | | | | Contaminated Sites and Landfilling | HÜ | 1 | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | Environmental Protection and Management | | | Technical Microbiology | | | | | | | | |
| 8 | Health, Safety and Environmental Management | VL | 2 | Applied Molecular Biology | VL | 2 | | | | | | |
| 9 | Health, Safety and Environmental Management | UE | 1 | Technical Microbiology | VL | 2 | | | | | | |
| 10 | Integrated Pollution Control | VL | 2 | Technical Microbiology | HÜ | 1 | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sustainable Water Management and Microbiology of Water Supply | | | Selected Topics in Environmental Engineering (part 1) | | | Selected Topics in Environmental Engineering (part 2) | | | | | |
| 14 | Sustainable Water Management | POL | 2 | Selection from a catalog | | | Selection from a catalog | | | | | |
| 15 | Microbiology of water supply | VL | 2 | | | | | | | | | |
| 16 | | | | Waste and Energy | | | Special Aspects of Waste Resource Management | | | | | |
| 17 | | | | Waste Recycling Technologies | VL | 2 | International Waste Management | POL | 2 | | | |
| 18 | | | | Waste Recycling Technologies | UE | 1 | Advanced Topics in Waste Resource Management | POL | 3 | | | |
| 19 | | | | Waste to Energy | POL | 2 | | | | | | |
| 19 | Environmental Analysis and water technology practise | | | | | | Wastewater Treatment and Air Pollution Abatement | | | | | |
| 20 | Environmental Analysis | VL | 2 | | | | Air Pollution Abatement | VL | 2 | | | |
| 21 | Practical Course in Water and Wastewater Technology I | PR | 2 | | | | Biological Wastewater Treatment | VL | 2 | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management | | | | | | | | | | | |
| 26 | Geo-Information-Systems in Water Management and Hydraulic Engineering | POL | 2 | | | | | | | | | |
| 27 | Fluid Mechanics and Hydraulics | VL | 2 | | | | | | | | | |
| 28 | Fluid Mechanics and Hydraulics | UE | 1 | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.