

Curriculum of the Environmental Engineering MSc Program

First Semester

| Course Name | Type* | Evaluation | Credit Points | Instruction Hours/Week |
|--|-------|------------|---------------|------------------------|
| Environmental Ecology | A | E | 4 | 3 |
| Environmental Fluid Mechanics | A | MTG | 3 | 3 |
| Geographic Information Systems | A | E | 3 | 3 |
| Environmental Chemistry | A | E | 4 | 3 |
| Landscape History | A | MTG | 3 | 2 |
| English for Special Purposes: Environmental Engineering I | K | S | — | 2 |
| Elective (see below) | B | | 7 | |
| | C | | 3 | |

Second Semester

| Course Name | Type* | Evaluation | Credit Points | Instruction Hours/Week |
|---|-------|------------|---------------|------------------------|
| Eco-Energetics | A | MTG | 3 | 3 |
| Environmental Impact Assessment and Performance Evaluation | A | E | 4 | 3 |
| Global Environmental Systems | A | E | 3 | 2 |
| Chemometrics | A | E | 4 | 4 |
| Remote Sensing for Environmental Applications | A | E | 3 | 2 |
| English for Special Purposes: Environmental Engineering II | K | S | — | 0 |

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|----------------------|---|--|---|--|
| Elective (see below) | B | | 7 | |
| | C | | 3 | |

Third Semester

| Course Name | Type* | Evaluation | Credit Points | Instruction Hours/Week |
|-------------------------------------|-------|------------|---------------|------------------------|
| Landscape Management and Protection | A | MTG | 4 | 3 |
| Climate Risk Assessment | A | E | 4 | 3 |
| Applied Environmental Statistics | A | MTG | 2 | 2 |
| Treatment Wetlands | A | MTG | 2 | 2 |
| Complex Project Work | B | MTG | 6 | 3 |
| Thesis Writing | B | MTG | 15 | 2 |
| Professional Practice | K | S | — | |

Fourth Semester

| Course Name | Type* | Evaluation | Credit Points | Instruction Hours/Week |
|--|-------|------------|---------------|------------------------|
| Ecotoxicology | A | E | 3 | 2 |
| European Environmental Law and Politics | A | E | 3 | 2 |
| Environmental and Quality Management Systems | A | MTG | 3 | 2 |
| Environmental Modelling | A | MTG | 3 | 3 |
| Biological Survey and Monitoring | A | MTG | 3 | 2 |
| Life Cycle Assessment | A | MTG | 3 | 2 |
| Thesis Writing | B | MTG | 15 | 0 |

Elective Courses

| Course Name | Type* | Evaluation | Credit Points | Instruction Hours/Week |
|---|-------|------------|---------------|------------------------|
| Landscape and Rural Development | B | MTG | 3 | 2 |
| Water Resources Engineering | B | MTG | 4 | 3 |
| Analytical Chemistry | B | MTG | 4 | 3 |
| Antioxidants in Natural Environment | B | MTG | 3 | 2 |
| Applied Soil Science | B | MTG | 3 | 2 |
| Soil Protection and Conservation | B | MTG | 3 | 2 |
| Agroforestry for Sustainability | B | MTG | 3 | 2 |
| Principles of Forest Protection | B | MTG | 4 | 3 |
| Protected Forests | B | MTG | 4 | 4 |
| Invasion Biology | C | MTG | 3 | 3 |
| Biotechnological Techniques of Waste Management | C | MTG | 3 | 2 |
| Project Management | C | MTG | 3 | 2 |

Notes:

- *Course Type:*
 - A = Compulsory
 - B = Elective in Engineering Field
 - C = Elective
 - K = Criteria (No Credit)
- *Evaluation:*
 - E = Exam
 - MTG = Mid-term Grade
 - S = Signature