



Faculty: ENVIRONMENTAL ENGINEERING

Main field of study: ENVIRONMENTAL QUALITY MANAGEMENT (EQM)

Field of study code: W07-EQMA-000A-OSMW3

Form of studies: SECOND-LEVEL, FULL-TIME STUDIES

Course grid for the programme of study starting in the academic year: 2023/2024

1st year of studies

| Semester 1 | Le | Cl | La | Pr | Se |
|---|----|----|----|----|---------------|
| | | | | | W07EQM-SM0004 |
| Water quality management | 2E | . | . | . | . |
| | 3 | . | . | . | . |
| | | | | | W07EQM-SM0019 |
| Water treatment technology | 2E | . | 1 | . | . |
| | 2 | . | 1 | . | . |
| | | | | | W07EQM-SM0008 |
| Water supply systems | 1 | . | . | 1 | . |
| | 1 | . | . | 1 | . |
| | | | | | W07EQM-SM0007 |
| Raw materials management | 1 | . | . | . | 1 |
| | 1 | . | . | . | 1 |
| | | | | | W07EQM-SM0020 |
| Sanitary biology | 1E | . | 1 | . | . |
| | 1 | . | 1 | . | . |
| | | | | | W07EQM-SM0018 |
| Automation in environmental engineering | . | . | 1 | . | . |
| | . | . | 2 | . | . |
| | | | | | W07EQM-SM0021 |
| AutoCad | . | . | 1 | . | . |
| | . | . | 1 | . | . |
| | | | | | - |
| Optional course 1 | 1 | . | . | . | . |
| | 1 | . | . | . | . |
| | | | | | W07EQM-SM0001 |
| Environmental chemistry | 2 | . | 1 | . | . |
| | 3 | . | 2 | . | . |
| | | | | | W07EQM-SM0002 |
| Engineering applications of mathematical statistics | 1 | 1 | . | . | . |
| | 2 | 1 | . | . | . |
| | | | | | W08EQM-SM7003 |
| Strategic management | 2 | . | . | . | . |
| | 3 | . | . | . | . |
| | | | | | W08EQM-SM7002 |
| Ethics of new and emerging technologies | 1 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | SJO-SM0004 |
| Foreign language I | . | 1 | . | . | . |
| | . | 1 | . | . | . |

hours / ECTS in semester: 345 / 30

Optional courses in semester 1:

| Optional course 1 | Le | Cl | La | Pr | Se |
|--|----|----|----|----|---------------|
| | | | | | W07EQM-SM9004 |
| Biomonitoring | 1 | . | . | . | . |
| | 1 | . | . | . | . |
| | | | | | W07EQM-SM9003 |
| Methods and techniques of air pollutants measurement | 1 | . | . | . | . |
| | 1 | . | . | . | . |

2nd year of studies

| Semester 2 | Le | Cl | La | Pr | Se |
|---|----|----|----|----|---------------|
| | | | | | W07EQM-SM0003 |
| Environmental management | 2 | . | . | . | . |
| | 3 | . | . | . | . |
| | | | | | W07EQM-SM0022 |
| Wastewater treatment technology | 2 | . | 1 | . | . |
| | 2 | . | 1 | . | . |
| | | | | | W07EQM-SM0006 |
| Waste gases purification | 2E | 1 | . | . | . |
| | 2 | 1 | . | . | . |
| | | | | | W07EQM-SM0023 |
| Environmental toxicology | 1 | . | 1 | . | . |
| | 1 | . | 1 | . | . |
| | | | | | W07EQM-SM0011 |
| Environmental health hazards | 2 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0010 |
| Solid waste management | 2E | . | 1 | . | . |
| | 2 | . | 1 | . | . |
| | | | | | W07EQM-SM0005 |
| Biodegradable materials | 2 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0009 |
| Reliability of engineering systems | 1 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0012 |
| Sewage systems | 1 | . | . | 1 | . |
| | 2 | . | . | 1 | . |
| | | | | | W07EQM-SM0017 |
| Membrane separation processes in environmental protection | 1 | . | 1 | . | . |
| | 2 | . | 1 | . | . |
| | | | | | W01EQM-SM7001 |
| Spatial planning | 1 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | SJO-SM0003 |
| Foreign language II | . | 3 | . | . | . |
| | . | 2 | . | . | . |

hours / ECTS in semester: 390 / 30

2nd year of studies

| Semester 3 | Le | Cl | La | Pr | Se |
|------------------------------------|----|----|----|----|---------------|
| | | | | | W07EQM-SM0015 |
| Organization of construction works | 1 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0024 |
| Building regulations | 2 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0016 |
| Renewable energy systems | 1 | . | . | . | . |
| | 2 | . | . | . | . |
| | | | | | W07EQM-SM0014 |
| Diploma seminar | . | . | . | . | 2 |
| | . | . | . | . | 2 |
| | | | | | W07EQM-SM0013 |
| Diploma project (master thesis) | . | . | . | 15 | . |
| | . | . | . | 20 | . |
| | | | | | - |
| Optional course 2 | 1 | . | 1 | . | . |
| | 1 | . | 1 | . | . |

hours / ECTS in semester: 345 / 30

Optional courses in semester 3:

| Optional course 2 | Le | Cl | La | Pr | Se |
|--|----|----|----|----|---------------|
| | | | | | W07EQM-SM9002 |
| Air pollutants and their sources | 1 | . | 1 | . | . |
| | 1 | . | 1 | . | . |
| | | | | | W07EQM-SM9001 |
| Modeling of water and sewage treatment processes | 1 | . | 1 | . | . |
| | 1 | . | 1 | . | . |

Markings:

| Course name | course cod | hours per week * | ECTS points |
|-------------|------------|------------------|-------------|
| | | | |

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|--|
| Obligatory main-field-of-study courses |
| Optional main-field-of-study courses |

| |
|---------------------------|
| General education courses |
| University-wide courses |

* E - lecture ending with an exam