**BACHELOR PROGRAM OF STUDY**

**ENVIRONMENTAL ENGINEERING AND PROTECTION IN AGRICULTURE**

**1ST YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| IM.01.F.01 | Mathematical analysis  | 5 |
| IM.08.C.01 | Physical education and sport\*  | 3 |
| IM.07.F.01 | Chemistry  | 4 |
| IM.06.F.01 | Linear algebra, analytic and differential geometry  | 5 |
| IM.05.F.01 | Computer-assisted graphics  | 3 |
| IM.04.D.01 | Geology  | 4 |
| IM.03.F.01 | Applied computer science  | 4 |
| IM.02.D.01 | Climatology  | 4 |
| **SEMESTER II** |
| IM.09.F.02 | Mathematical analysis  | 4 |
| IM.15.C.0.2 | Physical education and sport\*  | 3 |
| IM.14.F.02 | Physics  | 3 |
| IM.13.D.02 | Topography  | 4 |
| IM.12. D.02 | Soil science  | 4 |
| IM.11. F.02 | Special mathematics  | 4 |
| IM.10.F.02 | Chemistry  | 5 |

**2ND YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| IM.01.D.03 | Hydrology and hydrogeology  | 4 |
| IM.05.C.03 | Physical education and sport\*  | 3 |
| IM.04.S.03 | Soil protection, evolution and improvement  | 4 |
| IM.03. S.03 | Notions of biology  | 6 |
| IM.02.D.03 | Environmental chemistry  | 6 |
| IM.07.D.03 | Materials science and engineering  | 4 |
| **SEMESTER II** |
| IM.09.F.04 | Ecology  | 5 |
| IM.13.C.04 | Physical education and sport\*  | 3 |
| IM.12.D.04 | Environmental microbiology  | 3 |
| IM.11 D.04 | Prevention and integrated control of pollution  | 6 |
| IM.10.S.04 | Non-polluting fertilising resources  | 4 |
| IM.08.D.04 | Hydrology and hydrogeology  | 4 |

**3RD YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| IM.01.D.05 | Integrated waste management  | 4 |
| IM.05.S.05 | Management and economic analysis  | 2 |
| IM.04.D.05 | Information technology (GIS)  | 4 |
| IM.03.S.05 | Water treatment and cleaning systems  | 3 |
| IM.02.S.05 | Eco-grassland management  | 6 |
| IM.07.S.05 | Environmental economics  | 3 |
| **SEMESTER II** |
| IM.08.D.06 | Ecology of anthropic systems  | 4 |
| IM.13.S.06 | Plant protection  | 4 |
| IM.11.D.06 | Monitoring environmental quality  | 4 |
| IM.10.S.06 | Forestry and forest protection  | 4 |
| IM.09.D.06 | Ecotoxicology  | 4 |
| IM.12.S.06 | Water treatment and cleaning systems  | 3 |

**4TH YEAR**

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| **SEMESTER I** |
| *Code*  | *Subject* | *Credits* |
| IM.01.S.07 | Regulations and procedures in the field of environmental protection  | 3 |
| IM.02.S.07 | Environmental impact, record and audit studies  | 4 |
| IM.03.D.07 | Ecologic management  | 3 |
| IM.04.S.07 | Environmental protection through sustainable agriculture  | 3 |
| IM.05.D.07 | Hydrotechnical facilities and systems  | 10 |
| IM.06.C.07 | English  | 2 |
| **SEMESTER II** |
| IM.07.S.08 | Environmental impact, record and audit studies  | 3 |
| IM.11.S.08 | Energy sources | 4 |
| IM.10.S.08 | Ecological restoration  | 4 |
| IM.09.S.08 | Technologies with low impact on the environment  | 4 |
| IM.08.S.08 | Nature and biodiversity conservation  | 7 |