##

**Çevre Mühendisliği Bölümü Ders Planı**

|  |  |
| --- | --- |
| **1.YIL GÜZ** | **1.YIL BAHAR** |
| **Dersin Kodu** | **Dersin Adı** | **(D+U+L)=K** | **ECTS** | **Dersin Kodu** | **Dersin Adı** | **(D+U+L)=K** | **ECTS** |
| MATH101 | Calculus I | (4+2+0)=5  | 7 | MATH102 | Calculus II | (4+2+0)=5  | 7 |
| PHYS121 | Physics I | (3+0+0)=3  | 5 | PHYS122 | Physics II | (3+0+0)=3  | 5 |
| PHYS151 | Physics Lab I  | (0+0+2)=1  | 2 | PHYS152 | Physics Lab II  | (0+0+2)=1  | 2 |
| CHEM103 | General Chemistry I | (3+0+0)=3  | 5 | ENVE104 | Technical Drawing | (2+2+0)=3  | 5 |
| CHEM113 | General Chemistry Lab I | (0+0+4)=2 | 2 | MATH116 | Linear Algebra | (3+0+0)=3  | 5 |
| ENVE101 | Introduction to Environ. Engineering | (2+0+0)=2 | 3 | ENF101 | Introduction to Programming | (2+0+2)=3  | 5 |
| ENF100 | Introduction to Computer Systems | (2+0+2)=3 | 5 | TUR102 | Turkish-II | (2+0+0)=2 | 2 |
| TUR101 | Turkish-I | (2+0+0)=2 | 2 |  |  |  |  |
|  |  | **21** | **31** |  |  | **20** | **31** |
|  |  |  |  |  |  | **20+21=41** |  |
| **2.YIL GÜZ** | **2.YIL BAHAR** |
| ENVE211 | Statics and Strength of Materials | (3+0+0)=3 | **4** | ENVE204 | Environmental Microbiology | (2+0+2)=3 | **6** |
| MATH210 | Differential Equations  | (2+2+0)=3 | **5** | ENVE212 | Introduction to Thermodynamics | (3+0+0)=3 | **5** |
| ENVE201 | Environmental Chemistry I | (2+0+2)=3 | **5** | ENVE202 | Environmental Chemistry II  | (2+0+2)=3 | **5** |
| ENVE203 | Statistical Methods for Engineers | (3+0+0)=3 | **5** | ENVE206 | Fundamentals of Env.Eng. Processes | (3+0+0)=3 | **6** |
| ENVE205 | Hydrology and Water Resources  | (3+0+0)=3 | **4** | ENVE210 | Fluids Mechanics | (3+0+0)=3 | **5** |
| ENVE207 | Environmental Geology | (3+0+0)=3 | **3** | SSTR102 | Principles of Atatürk and The History of Turkish Revolution II | (2+0+0)=2 | **2** |
| SSTR101 | Principles of Atatürk And The History of Turkish Revolution I | (2+0+0)=2 | **2** | EN210 | Vocational Foreign Language I | (2+0+0)=2 | **2** |
| EN110 | Reading and Speaking  | (2+0+0)=2 | **2** |  |  |  |  |
|  |  | **22** | **30** |  |  | **19** | **30** |
|  |  |  |  |  |  | **22+19=41** |  |
| **3.YIL GÜZ** | **3.YIL BAHAR** |
| ENVE301 | Water Treatment  | (3+0+0)=3 | **4** | ENVE310 | Understanding Climate Change and Solutions  | (2+0+0)=2 | **3** |
| ENVE303 | Water Quality Management  | (3+0+0)=3 | **4** | ENVE306 | Ecology and Toxicology  | (3+0+0)=3 | **4** |
| ENVE305 | Air Pollution | (3+0+0)=3 | **4** | ENVE302 | Wastewater Treatment  | (3+0+0)=3 | **4** |
| ENVE307 | Solid Waste Management  | (3+0+0)=3 | **4** | ENVE304 | Laboratory for Unit Operations and Processes | (1+0+4)=3 | **4** |
| ENVE309 | Water supply and Sewerage System | (3+0+0)=3 | **4** | ENVE308 | Transport Processes | (3+0+0)=3 | **4** |
| XXX | Social Elective I | (2+0+0)=2 | **3** | ENVE312 | Hazardous Waste Management | (3+0+0)=3 | **4** |
| EN310 | Vocational Foreign Language II | (2+0+0)=2 | **2** | MATH214 | Numerical Analysis | (3+0+0)=3 | **5** |
| ENG300 | Career Internship I | (0+6+0)=0 | **6** | EN320 | English for Business | (2+0+0)=2 | **2** |
|  |  | 19 | **31** |  |  | **22** | **30** |
|  |  |  |  |  |  | **19+22=41** |  |
| **4.YIL GÜZ** | **4.YIL BAHAR** |
| ENVE401 | Environmental Design Project  | (3+4+0)= 5 | **7** | ENVE402 | Graduation Project | (5+0+0)=5 | **12** |
| ENVE403 | Environmental Modeling | (3+0+0)= 3 | **5** | ENVEXXX | Area Elective II | (3+0+0)= 3 | **4** |
| ENVE407 | Principles of Cleaner Production | (3+0+0)= 3 | **5** | ENVEXXX | Area Elective III | (3+0+0)= 3 | **4** |
| ENVEXXX | Area Elective I | (3+0+0)= 3 | **4** | XXX | Elective I | (3+0+0)= 3 | **4** |
| XXX | Social Elective II | (2+0+0)= 2 | **3** | XXX | Elective II | (3+0+0)= 3 | **4** |
| ENG401 | Occupational Health and Safety -1 | (2+0+0)= 2 | **2** | ENG402 | Occupational Health and Safety -2 | (2+0+0)= 2 | **2** |
| ENG400 | Career Internship II | (0+6+0)=0 | **6** |  |  | **19** | **30** |
|  |  | 18 | **32** |  |  | **19+18=37** |  |
|  |  |  |  |  | **Toplam** | **160** | **245** |

**Ön Koşullu Dersler;**

 **\* MATH 102’nin ön koşulu MATH 101**

**\*\* EN 210’un ön koşulu EN 110**

**\*\* EN 310’un ön koşulu EN 110 ve EN 210**

**\*\* EN 320’nin ön koşulu EN 110, EN 210 ve EN 310**

**\*\*\* ENVE 210’ün ön koşulu MATH 102**

**\*\*\* ENVE 301’ün ön koşulu ENVE 201**

**\*\*\* ENVE 302’in ön koşulu ENVE 201**