

**Program Studi Teknik Lingkungan**  
**Distribusi Mata Kuliah Tiap Semester**

| No.          | Semester I  | SKS       | Prasyarat      |
|--------------|---|-----------|----------------|
| 1            | Kalkulus I<br><i>Calculus I</i>   | 4         |                |
| 2            | Kimia Dasar<br><i>Basic Chemistry</i>   | 4         |                |
| 3            | Ilmu Lingkungan<br><i>Environmental Science</i>                                   | 2         |                |
| 4            | Fisika Dasar I<br><i>Basic Physics I</i>  | 2         |                |
| 5            | Praktikum Kimia Dasar<br><i>Basic Chemistry Laboratory</i>                        | 1         |                |
| 6            | Menggambar Teknik<br><i>Engineering Drawing</i>                                   | 3         |                |
| 7            | Pengantar Teknik Lingkungan<br><i>Introduction to Environmental Engineering</i>   | 2         |                |
| 8            | Pendidikan Agama (Aqidah)<br><i>Religion</i>                                      | 2         |                |
| <b>Total</b> |   | <b>20</b> |                |
| No.          | Semester II   | SKS       | Prasyarat      |
| 1            | Kalkulus II<br><i>Calculus II</i>   | 4         | Kalkulus I     |
| 2            | Fisika Dasar II<br><i>Basic Physics II</i>  | 2         |                |
| 3            | Mikrobiologi Lingkungan<br><i>Environmental Microbiology</i>                      | 2         |                |
| 4            | Kimia Lingkungan I<br><i>Environmental Chemistry I</i>                            | 2         |                |
| 5            | Praktikum Fisika Dasar<br><i>Basic Physics Laboratory</i>                         | 1         |                |
| 6            | Praktikum Mikrobiologi Lingkungan<br><i>Environmental Microbiology Laboratory</i> | 1         | Fisika Dasar I |
| 7            | Mekanika Fluida I<br><i>Fluid Mechanics I</i>                                     | 4         | Fisika Dasar I |
| 8            | Bahasa Inggris<br><i>English</i>  | 2         |                |
| 9            | Ibadah dan Akhlak<br><i>Ritual and Ethics in islam</i>                            | 2         |                |
| <b>Total</b> |   | <b>20</b> |                |

| No.          | Semester III  | SKS       | Prasyarat                               |
|--------------|---|-----------|---|
| 1            | Ilmu Kebumihan<br><i>Earth Sciences</i>   | 2         |   |
| 2            | Statistika Lingkungan<br><i>Environmental Statistics</i>                              | 2         |   |
| 3            | Kimia Lingkungan II<br><i>Environmental Chemistry II</i>                              | 2         |   |
| 4            | Metode Numerik<br><i>Numerical Methods</i>  | 2         |   |
| 5            | Praktikum Kimia Lingkungan<br><i>Environmental Chemistry Laboratory</i>               | 1         |   |
| 6            | Mekanika Fluida II<br><i>Fluid Mechanics II</i>                                       | 2         |   |
| 7            | Praktikum Mekanika Fluida<br><i>Fluid Mechanics Laboratory</i>                        | 1         | Mekanika Fluida I                       |
| 8            | Rekayasa Tanah<br><i>Soil Engineering</i>   | 2         |   |
| 9            | Epidemiologi dan Kesehatan Lingkungan<br><i>Epidemiology and Environmental Health</i> | 2         |   |
| 10           | Antropologi Lingkungan<br><i>Environmental Anthropology</i>                           | 2         |   |
| 11           | Studi Kepemimpinan Islam<br><i>Islamic Leadership Studies</i>                         | 2         | Ibadah dan Akhlak                       |
| <b>Total</b> |   | <b>20</b> |   |
| No.          | Semester IV   | SKS       | Prasyarat                               |
| 1            | Hidrologi dan Geohidrologi<br><i>Hydrology and Geohydrology</i>                       | 2         | Statistika Lingkungan                   |
| 2            | Sistem Informasi Geografis<br><i>Geographical Information System</i>                  | 2         |   |
| 3            | Satuan Operasi<br><i>Unit Operations</i>  | 2         | Mekanika Fluida II                      |
| 4            | Praktikum Teknik Lingkungan I<br><i>Environmental Engineering Laboratory I</i>        | 1         | Mekanika Fluida II, Kimia Lingkungan II |
| 5            | Satuan Proses<br><i>Unit Processes</i>  | 2         | Kimia Lingkungan II                     |
| 6            | Pengetahuan Terstruktur<br><i>Introduction to Structure Analysis</i>                  | 3         | Rekayasa Tanah                          |
| 7            | Laboratorium Lingkungan<br><i>Environmental laboratory</i>                            | 2         | Kimia Lingkungan II                     |
| 8            | Praktikum Laboratorium Lingkungan<br><i>Environmental Laboratory Practice</i>         | 1         | Kimia Lingkungan II                     |
| 9            | Plumbing<br><i>Plumbing</i>   | 3         | Mekanika Fluida II                      |
| 10           | Pemikiran dan Peradaban Islam<br><i>Islamic Thoughts and Civilization</i>             | 2         | Studi Kepemimpinan Islam                |
| 11           | Studi Kepemimpinan Islam<br><i>Islamic Leadership Studies</i>                         | 2         | Ibadah dan Akhlak                       |
| <b>Total</b> |   | <b>22</b> |   |

| No.          | Semester V   | SKS       | Prasyarat                                    |
|--------------|--|-----------|--|
| 1            | Drainase & Sewerage<br><i>Drainase &amp; Sewerage</i>                                    | 4         | Hidrologi & Geohidrologi, Mekanika Fluida II |
| 2            | Pengelolaan Sampah<br><i>Solid Waste Management</i>                                      | 2         |  |
| 3            | Pengelolaan Limbah Bahan Berbahaya dan Beracun (B3)<br><i>Hazardous Waste Management</i> | 2         | Kimia Lingkungan I                           |
| 4            | Pengelolaan Sumber Daya Air<br><i>Water Resources Management</i>                         | 2         | Hidrologi & Geohidrologi                     |
| 5            | Pencemaran Udara<br><i>Air Pollution</i>   | 2         | Kimia Lingkungan II                          |
| 6            | Praktikum Teknik Lingkungan II<br><i>Environmental Engineering Laboratory II</i>         | 1         | Kimia Lingkungan II                          |
| 7            | Metodologi Penelitian<br><i>Research Metodology</i>                                      | 2         |  |
| 8            | Pemodelan Lingkungan<br><i>Environmental Modelling</i>                                   | 2         | Metode Numerik                               |
| 9            | Pilihan 1<br><i>Elective 1</i>   | 2         | Syarat Pilihan                               |
| 10           | Pilihan 2<br><i>Elective 2</i>   | 2         | Syarat Pilihan                               |
| <b>Total</b> |  | <b>21</b> |  |
| No.          | Semester VI  | SKS       | Prasyarat                                    |
| 1            | Hukum Lingkungan<br><i>Environmental Law</i>   | 2         |  |
| 2            | Perencanaan Instalasi Pengolahan Air Limbah<br><i>Wastewater Treatment Plant Design</i>  | 4         | Satuan Operasi, Satuan Proses                |
| 3            | Sistem Penyedia Air Minum<br><i>Water Supply Engineering</i>                             | 4         | Plumbing, Satuan Operasi                     |
| 4            | Keselamatan dan Kesehatan Kerja<br><i>Occupational Safety and Health</i>                 | 2         | Fisika Dasar II                              |
| 5            | Kerja Praktik<br><i>Fieldwork</i>  | 2         | Syarat KP                                    |
| 6            | Pendidikan Pancasila<br><i>State Ideology</i>  | 2         |  |
| 7            | Pilihan 3<br><i>Elective 3</i>   | 2         | Syarat Pilihan                               |
| 8            | Pilihan 4<br><i>Elective 4</i>   | 2         | Syarat Pilihan                               |
| <b>Total</b> |  | <b>20</b> |  |

| No.          | Semester VII   | SKS       | Prasyarat                                       |
|--------------|--|-----------|---|
| 1            | Etika Profesi<br><i>Professional Ethics</i>                                  | 2         |   |
| 2            | Analisis Mengenai Dampak Lingkungan<br><i>Environmental Impact Assesment</i> | 3         | Laboratorium Lingkungan, Antropologi Lingkungan |
| 3            | Manajemen Proyek<br><i>Project Management</i>                                | 2         |   |
| 4            | Teknologi Daur Ulang<br><i>Resource Recovery Technology</i>                  | 2         | Satuan Operasi, Satuan Proses                   |
| 5            | Pendidikan Kewarganegaraan<br><i>Citizenship</i>                             | 2         |   |
| 6            | Kewirausahaan<br><i>Entrepreneurship</i>                                     | 2         |   |
| 7            | Kuliah Kerja Nyata<br><i>Community Services</i>                              | 2         | Syarat KKN                                      |
| 8            | Pilihan 5<br><i>Elective 5</i>   | 2         | Syarat Pilihan                                  |
| 9            | Pilihan 6<br><i>Elective 6</i>   | 2         | Syarat Pilihan                                  |
| <b>Total</b> |  | <b>19</b> |   |
| No.          | Semester VIII  | SKS       | Prasyarat                                       |
| 1            | Tugas Akhir<br><i>Thesis</i>   | 4         | Syarat Tugas Akhir                              |
| <b>Total</b> |  | <b>4</b>  |   |