

**ISTINYE UNIVERSITY**  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF ELECTRICAL&ELECTRONICS ENGINEERING**

| 1. SEMESTER COURSE PLAN (Fall) |                                    |           |           |                         |
|--------------------------------|------------------------------------|-----------|-----------|-------------------------|
| Code                           | Course                             | T+P       | ECTS      | Language Of Instruction |
| EEE101                         | Differential and Integral Calculus | 2+2       | 6         | EN                      |
| EEE103                         | Computational Thinking             | 3+2       | 7         | EN                      |
| EEE105                         | Engineering Physics                | 3+1       | 6         | EN                      |
| EEE107                         | Computer Literacy                  | 2+2       | 5         | EN                      |
| EEE109                         | Engineering Design                 | 3+0       | 4         | EN                      |
| TRK101                         | Turkish Language 1                 | 2+0       | 2         | TR                      |
| <b>Total</b>                   |                                    | <b>22</b> | <b>30</b> |                         |

| 3. SEMESTER COURSE PLAN (Fall) |  |           |           |                         |
|--------------------------------|--|-----------|-----------|-------------------------|
| Code                           | Course   | T+P       | ECTS      | Language Of Instruction |
| EEE201                         | Differential Equations                                   | 2+2       | 6         | EN                      |
| EEE203                         | Electrical Circuits                                      | 3+2       | 7         | EN                      |
| EEE205                         | Signals and Systems                                      | 3+2       | 7         | EN                      |
|                                | Department Elective                                      | 2+2       | 5         | EN                      |
| DIL101                         | General English 1  | 2+0       | 2         | EN                      |
| ATA101                         | Atatürk's Principles and History of Turkish Revolution 1 | 2+0       | 2         | TR                      |
| SEG001                         | Manifest of İstinye 1                                    | 0+1       | 1         | EN                      |
| <b>Total</b>                   |  | <b>23</b> | <b>30</b> |                         |

| 5. SEMESTER COURSE PLAN (Fall) |  |           |           |                         |
|--------------------------------|--|-----------|-----------|-------------------------|
| Code                           | Course                                 | T+P       | ECTS      | Language Of Instruction |
| EEE301                         | Probability Theory and Stoch Processes | 2+2       | 5         | EN                      |
| EEE303                         | Electronic Circuits                    | 3+2       | 7         | EN                      |
| EEE305                         | Electromagnetics                       | 3+2       | 7         | EN                      |
|                                | Department Elective                    | 2+2       | 5         | EN                      |
|                                | University Elective                    | 2+2       | 5         | EN                      |
| <b>Total</b>                   |  | <b>22</b> | <b>29</b> |                         |

| 7. SEMESTER COURSE PLAN (Fall) |                       |           |           |                         |
|--------------------------------|-----------------------|-----------|-----------|-------------------------|
| Code                           | Course                | T+P       | ECTS      | Language Of Instruction |
| EEE401                         | Capstone Project 1    | 3+2       | 7         | EN                      |
| EEE403                         | Control Systems       | 3+2       | 7         | EN                      |
|                                | Department Elective   | 2+2       | 5         | EN                      |
|                                | Department Elective   | 2+2       | 5         | EN                      |
|                                | University Elective   | 2+2       | 5         | EN                      |
| SEG003                         | Manifest of İstinye 3 | 0+1       | 1         | EN                      |
| <b>Total</b>                   |                       | <b>23</b> | <b>30</b> |                         |

| Code   | DEPARTMENT ELECTIVES      | T+P | ECTS | Language Of Instruction |
|--------|---------------------------|-----|------|-------------------------|
| EEE001 | Directed Research         | 2+2 | 5    | EN                      |
| EEE002 | Engineering Ethics        | 2+2 | 5    | EN                      |
| EEE003 | Photonics                 | 2+2 | 5    | EN                      |
| EEE004 | Introductions to MEMS     | 2+2 | 5    | EN                      |
| EEE005 | Medical Instrumentation   | 2+2 | 5    | EN                      |
| EEE006 | Digital Signal Processing | 2+2 | 5    | EN                      |

| 2. SEMESTER COURSE PLAN (Spring) |                                  |           |           |                         |
|----------------------------------|----------------------------------|-----------|-----------|-------------------------|
| Code                             | Course                           | T+P       | ECTS      | Language Of Instruction |
| EEE102                           | Linear Algebra with Applications | 2+2       | 6         | EN                      |
| EEE104                           | Computational Mathematics        | 3+2       | 7         | EN                      |
| EEE106                           | Electronic Physics and Systems   | 3+1       | 6         | EN                      |
| EEE108                           | Human Body                       | 2+2       | 4         | EN                      |
| EEE110                           | Computer Aided Design            | 2+2       | 5         | EN                      |
| TRK102                           | Turkish Language 2               | 2+0       | 2         | TR                      |
| <b>Total</b>                     |                                  | <b>23</b> | <b>30</b> |                         |

| 4. SEMESTER COURSE PLAN (Spring) |  |           |           |                         |
|----------------------------------|--|-----------|-----------|-------------------------|
| Code                             | Course   | T+P       | ECTS      | Language Of Instruction |
| EEE202                           | Digital Logic Design                                     | 3+2       | 7         | EN                      |
| EEE204                           | Vector Calculus  | 2+2       | 6         | EN                      |
| EEE206                           | Electronics  | 3+2       | 7         | EN                      |
|                                  | Department Elective                                      | 2+2       | 5         | EN                      |
| DIL102                           | General English 2  | 2+0       | 2         | EN                      |
| ATA102                           | Atatürk's Principles and History of Turkish Revolution 2 | 2+0       | 2         | TR                      |
| SEG002                           | Manifest of İstinye 2                                    | 0+1       | 1         | EN                      |
| <b>Total</b>                     |  | <b>23</b> | <b>30</b> |                         |

| 6. SEMESTER COURSE PLAN (Spring) |                           |           |           |                         |
|----------------------------------|---------------------------|-----------|-----------|-------------------------|
| Code                             | Course                    | T+P       | ECTS      | Language Of Instruction |
| EEE302                           | Information Theory        | 3+2       | 7         | EN                      |
| EEE304                           | Computer Architecture     | 3+2       | 7         | EN                      |
| EEE306                           | Cryptographic Engineering | 3+2       | 7         | EN                      |
|                                  | Department Elective       | 2+2       | 5         | EN                      |
|                                  | Department Elective       | 2+2       | 5         | EN                      |
| <b>Total</b>                     |                           | <b>23</b> | <b>31</b> |                         |

| 8. SEMESTER COURSE PLAN (Spring) |                       |           |           |                         |
|----------------------------------|-----------------------|-----------|-----------|-------------------------|
| Code                             | Course                | T+P       | ECTS      | Language Of Instruction |
| EEE402                           | Capstone Project 2    | 3+2       | 7         | EN                      |
| EEE404                           | Communications        | 3+2       | 7         | EN                      |
|                                  | Department Elective   | 2+2       | 5         | EN                      |
|                                  | Department Elective   | 2+2       | 5         | EN                      |
|                                  | Department Elective   | 2+2       | 5         | EN                      |
| SEG004                           | Manifest of İstinye 4 | 0+1       | 1         | EN                      |
| <b>Total</b>                     |                       | <b>23</b> | <b>30</b> |                         |

| Code    | UNIVERSITY ELECTIVES                                 | T+P | ECTS | Language Of Instruction |
|---------|--|-----|------|-------------------------|
| UNI 001 | Alternative and Renewable Energy                     | 2+2 | 5    | TR                      |
| UNI 002 | Introduction to Anthropology                         | 2+2 | 5    | TR                      |
| UNI 003 | Nutrition Misconceptions                             | 2+2 | 5    | TR                      |
| UNI 004 | Introduciton to Modern Art                           | 2+2 | 5    | TR                      |
| UNI 005 | Digital Media Literacy                               | 2+2 | 5    | TR                      |
| UNI 006 | Entrepreneurship in Dietetics                        | 2+2 | 5    | TR                      |
| UNI 007 | Intellectual History                                 | 2+2 | 5    | TR                      |
| UNI 008 | Rhetoric and Diction                                 | 2+2 | 5    | TR                      |
| UNI 009 | Rhetoric and Presentation Techniques                 | 2+2 | 5    | TR                      |
| UNI 010 | Introduction to Philosophy                           | 2+2 | 5    | TR                      |
| UNI 011 | Introduction to New Media                            | 2+2 | 5    | TR                      |
| UNI 012 | Convincing and Effective Communication               | 2+2 | 5    | TR                      |
| UNI 013 | Communication Methods                                | 2+2 | 5    | TR                      |
| UNI 014 | Sign Language  | 2+2 | 5    | TR                      |
| UNI 015 | Preventive Healthcare and Health Literacy            | 2+2 | 5    | TR                      |
| UNI 016 | Leadership Strategies                                | 2+2 | 5    | TR                      |
| UNI 017 | Logistics Management                                 | 2+2 | 5    | TR                      |
| UNI 018 | Media Literacy                                       | 2+2 | 5    | TR                      |
| UNI 019 | Entrepreneurship                                     | 2+2 | 5    | TR                      |
| UNI 020 | Psychological Skills                                 | 2+2 | 5    | TR                      |
| UNI 021 | Public Speaking                                      | 2+2 | 5    | TR                      |
| UNI 022 | Health Economics                                     | 2+2 | 5    | TR                      |
| UNI 023 | Healthy Life and Physical Activity                   | 2+2 | 5    | TR                      |
| UNI 024 | Technological Conversion in Turkish Defense Industry | 2+2 | 5    | TR                      |
| UNI 025 | Introduction to Sociology                            | 2+2 | 5    | TR                      |
| UNI 026 | International Organisations                          | 2+2 | 5    | TR                      |
| UNI 027 | Management Skills                                    | 2+2 | 5    | TR                      |
| UNI 028 | Introduction to Optimisation                         | 2+2 | 5    | TR                      |
| UNI 029 | Monumental Architecture of Istanbul                  | 2+2 | 5    | TR                      |

**DESCRIPTION**

**T:** Theoric

**P:** Practice

**ECTS:** European Credit Transfer System