



**Doğuş Üniversitesi**  
**MÜHENDİSLİK FAKÜLTESİ**  
**MAKİNE MÜHENDİSLİĞİ (İNGİLİZCE)**  
**MAKİNE MÜHENDİSLİĞİ (İNGİLİZCE)**

| 1.Yarıyıl Ders Planı |  |       |                 |      |
|----------------------|--|-------|-----------------|------|
| Ders Kodu            | Ders Adı                                       | T+U+L | Zorunlu/Seçmeli | AKTS |
| CRP 101              | Career Planning                                | 1+0+0 | Zorunlu         | 2    |
| DOU 101              | Understanding University and Critical Thinking | 1+0+0 | Zorunlu         | 1    |
| ENG 201              | Critical Reading and Writing in English        | 4+0+0 | Zorunlu         | 4    |
| MATH 111             | Calculus I                                     | 2+2+0 | Zorunlu         | 6    |
| ME 001               | Internship I                                   | 0+0+0 | Zorunlu         | 2    |
| ME 103               | Computer Aided Engineering Graphics            | 2+0+2 | Zorunlu         | 5    |
| PHYS 101             | Physics I                                      | 2+0+2 | Zorunlu         | 6    |
| TÜRK 103             | Critical Reading and Writing in Turkish        | 4+0+0 | Zorunlu         | 4    |
| Toplam AKTS          |  |       |                 | 30   |

| 2.Yarıyıl Ders Planı |  |       |                 |      |
|----------------------|--|-------|-----------------|------|
| Ders Kodu            | Ders Adı   | T+U+L | Zorunlu/Seçmeli | AKTS |
| CHEM 101             | Chemistry  | 2+0+2 | Zorunlu         | 5    |
| ENG 400              | Business English                                     | 2+0+0 | Zorunlu         | 4    |
| MATH 112             | Calculus II  | 2+2+0 | Zorunlu         | 6    |
| ME 002               | Internship II  | 0+0+0 | Zorunlu         | 1    |
| ME 120               | Introduction to Mechanical Engineering               | 3+0+0 | Zorunlu         | 4    |
| PHYS 102             | Physics II   | 2+0+2 | Zorunlu         | 6    |
| TAR 203              | Principles of Atatürk and Formation of Modern Turkey | 4+0+0 | Zorunlu         | 4    |
| Toplam AKTS          |  |       |                 | 30   |

| 3.Yarıyıl Ders Planı |                                      |       |                 |      |
|----------------------|--------------------------------------|-------|-----------------|------|
| Ders Kodu            | Ders Adı                             | T+U+L | Zorunlu/Seçmeli | AKTS |
| ECON 101             | Introduction to Economics            | 3+0+0 | Zorunlu         | 5    |
| EEE 303              | Principles of Electrical Engineering | 3+0+0 | Zorunlu         | 5    |
| MATH 213             | Linear Algebra                       | 3+0+0 | Zorunlu         | 5    |
| ME 205               | Scientific Programming               | 2+0+2 | Zorunlu         | 4    |
| ME 241               | Statics                              | 2+2+0 | Zorunlu         | 5    |
| Sci.El.2             | Science Elective                     | -     | Seçmeli         | 6    |
| Toplam AKTS          |                                      |       |                 | 30   |
| Gruplu Dersler       |                                      |       |                 |      |
| MATH 431             | Introduction to Topology             | 0+0+0 | Seçmeli         | 6    |
| PHYS 223             | Light and Optics                     | 2+1+1 | Seçmeli         | 6    |
| PHYS 325             | Modern Physics II                    | 4+0+0 | Seçmeli         | 6    |
| PHYS 371             | Solid State Physics for Engineers    | 3+0+0 | Seçmeli         | 6    |

| 4.Yarıyıl Ders Planı |  |       |                 |      |
|----------------------|--|-------|-----------------|------|
| Ders Kodu            | Ders Adı                                     | T+U+L | Zorunlu/Seçmeli | AKTS |
| MATH 214             | Differential Equations                       | 2+2+0 | Zorunlu         | 6    |
| ME 003               | Internship IV                                | 0+0+0 | Zorunlu         | 3    |
| ME 212               | Materials Science                            | 3+0+1 | Zorunlu         | 5    |
| ME 242               | Dynamics                                     | 2+2+0 | Zorunlu         | 5    |
| ME 264               | Thermodynamics I                             | 3+1+0 | Zorunlu         | 5    |
| STAT 208             | Basic Engineering Probability and Statistics | 2+2+0 | Zorunlu         | 6    |
| Toplam AKTS          |  |       |                 | 30   |

| 5.Yarıyıl Ders Planı |   |       |                 |      |
|----------------------|---|-------|-----------------|------|
| Ders Kodu            | Ders Adı  | T+U+L | Zorunlu/Seçmeli | AKTS |
| ME 301               | Experimental Engineering I                      | 1+0+4 | Zorunlu         | 5    |
| ME 307               | Computer Applications in Mechanical Engineering | 2+0+2 | Zorunlu         | 5    |
| ME 321               | Theory of Machines                              | 3+0+0 | Zorunlu         | 5    |
| ME 345               | Strength of Materials                           | 3+1+0 | Zorunlu         | 5    |
| ME 351               | Fluid Mechanics I                               | 3+1+0 | Zorunlu         | 5    |
| Uni.El.5             | University Elective                             | -     | Seçmeli         | 5    |
| Toplam AKTS          |   |       |                 | 30   |
| Gruplu Dersler       |   |       |                 |      |
| BA 211               | General Accounting                              | 3+0+0 | Seçmeli         | 5    |
| BA 241               | Management and Organization                     | 3+0+0 | Seçmeli         | 5    |
| BA 353               | Consumer Behavior                               | 3+0+0 | Seçmeli         | 5    |

|          |  |       |         |   |
|----------|--|-------|---------|---|
| BA 449   | Entrepreneurship and Small Business Administration | 3+0+0 | Seçmeli | 5 |
| BA 455   | Human Resource Management                          | 3+0+0 | Seçmeli | 6 |
| CHN 101  | Chinese I  | 2+2+0 | Seçmeli | 5 |
| ECON 211 | Microeconomics                                     | 3+0+0 | Seçmeli | 5 |
| ECON 321 | International Economics                            | 3+0+0 | Seçmeli | 5 |
| ECON 325 | Economic Development                               | 3+0+0 | Seçmeli | 5 |
| ELIT 291 | Film as Text                                       | 2+2+0 | Seçmeli | 6 |
| GER 101  | German I   | 2+2+0 | Seçmeli | 5 |
| GRD 361  | User Interface Design I                            | 3+0+0 | Seçmeli | 5 |
| INTR 213 | International Logistics                            | 3+0+0 | Seçmeli | 5 |
| IR 221   | Diplomatic History of the Ottoman Empire           | 3+0+0 | Seçmeli | 6 |
| IR 227   | Terrorism  | 2+0+0 | Seçmeli | 5 |
| IR 235   | Politics of Poverty                                | 3+0+0 | Seçmeli | 6 |
| IR 261   | International Relations Theory                     | 3+0+0 | Seçmeli | 6 |
| IR 405   | History and Politics of the Balkans                | 2+0+0 | Seçmeli | 5 |
| IR 407   | World Politics and Middle East                     | 3+0+0 | Seçmeli | 6 |
| IR 413   | Current Issues in Turkish Politics I               | 3+0+0 | Seçmeli | 6 |
| IR 415   | European Security                                  | 2+0+0 | Seçmeli | 5 |
| IR 436   | Culture and Identity in World Politics             | 0+2+0 | Seçmeli | 6 |
| IR 465   | Russian and Eurasian Politics                      | 2+0+0 | Seçmeli | 5 |
| MIS 101  | Introduction to Management Information Systems     | 2+0+0 | Seçmeli | 5 |
| PHIL 313 | Professional Ethics                                | 3+0+0 | Seçmeli | 5 |
| POLS 101 | Introduction to Social Sciences                    | 2+0+0 | Seçmeli | 6 |
| SBYO 105 | Special Education and Inclusion                    | 3+0+0 | Seçmeli | 4 |
| SMR 400  | Seminar  | 2+0+0 | Seçmeli | 2 |

| 6.Yarıyıl Ders Planı |  |       |                 |      |
|----------------------|--|-------|-----------------|------|
| Ders Kodu            | Ders Adı                                 | T+U+L | Zorunlu/Seçmeli | AKTS |
| ME 304               | Modelling and Control of Dynamic Systems | 3+0+0 | Zorunlu         | 5    |
| ME 322               | Machine Elements I                       | 3+1+0 | Zorunlu         | 5    |
| ME 352               | Heat Transfer                            | 3+1+0 | Zorunlu         | 5    |
| Dep.El- 6            | Departmental Elective (2 Pieces)         | -     | Seçmeli         | 10   |
| Fac.El.6             | Faculty Elective                         | -     | Seçmeli         | 5    |
| Toplam AKTS          |  |       |                 | 30   |
| Gruplu Dersler       |  |       |                 |      |
| COME 214             | Programming Language Concepts            | 2+0+2 | Seçmeli         | 5    |
| COME 226             | Computer Organization and Architecture   | 2+0+2 | Seçmeli         | 5    |
| COME 302             | Information and Data Analysis            | 2+0+2 | Seçmeli         | 5    |
| COME 320             | Computer Graphics with Open GL           | 2+0+2 | Seçmeli         | 5    |
| COME 346             | Business Information Systems             | 2+0+2 | Seçmeli         | 5    |
| CONT 212             | Electrical Measurements and Sensors      | 2+0+2 | Seçmeli         | 5    |
| EEE 418              | Microprocessors and IoT                  | 1+2+0 | Seçmeli         | 5    |
| IE 302               | Operations Research II                   | 2+2+0 | Seçmeli         | 6    |
| IE 332               | Facilities Planning and Design           | 3+0+0 | Seçmeli         | 5    |
| IE 335               | Total Quality Management                 | 3+0+0 | Seçmeli         | 5    |
| IE 356               | Business and Society                     | 3+0+0 | Seçmeli         | 6    |
| IE 362               | Engineering Economy                      | 3+0+0 | Seçmeli         | 4    |
| IE 405               | Stochastic Models                        | 3+0+0 | Seçmeli         | 6    |
| IE 452               | Industrial Psychology                    | 3+0+0 | Seçmeli         | 6    |
| IE 476               | Environmental Studies                    | 3+0+0 | Seçmeli         | 6    |
| ME 302               | Experimental Engineering II              | 1+0+4 | Seçmeli         | 5    |
| ME 318               | Introduction to Composites               | 3+0+0 | Seçmeli         | 5    |
| ME 328               | Introduction to Automotive Technology    | 3+0+0 | Seçmeli         | 5    |
| ME 332               | Manufacturing Technology                 | 3+0+0 | Seçmeli         | 5    |
| ME 335               | Mechatronics                             | 3+0+0 | Seçmeli         | 5    |
| ME 338               | Fluid Power Control                      | 3+0+0 | Seçmeli         | 5    |
| ME 357               | Introduction to Finite Element Method    | 3+0+0 | Seçmeli         | 5    |
| ME 366               | Computer Aided Modelling and Analysis    | 2+0+1 | Seçmeli         | 5    |
| ME 374               | Heat Engines                             | 3+0+0 | Seçmeli         | 5    |
| ME 378               | Introduction to Advanced Technologies    | 3+0+0 | Seçmeli         | 5    |

| 7.Yarıyıl Ders Planı |   |       |                 |      |
|----------------------|---|-------|-----------------|------|
| Ders Kodu            | Ders Adı                                      | T+U+L | Zorunlu/Seçmeli | AKTS |
| EF 403               | Ethics and Occupational Safety in Engineering | 0+2+0 | Zorunlu         | 1    |
| ME 432               | Mechanical Engineering Design                 | 2+1+0 | Zorunlu         | 6    |
| ME 491               | Research Project                              | 1+2+0 | Zorunlu         | 6    |
| Dep.El.7             | Departmental Elective (2 Pieces)              | -     | Seçmeli         | 12   |
| Fac.El.7             | Faculty Elective                              | -     | Seçmeli         | 5    |
| Toplam AKTS          |   |       |                 | 30   |

| Gruplu Dersler |   |       |         |   |
|----------------|---|-------|---------|---|
| CE 439         | Water Supply and Environmental Health           | 3+0+0 | Seçmeli | 6 |
| COME 414       | Electronic Business and Commerce Systems        | 3+0+0 | Seçmeli | 5 |
| COME 493       | Fuzzy-System and Neural-Network Computing       | 2+0+2 | Seçmeli | 5 |
| CONT 317       | Modelling and Simulation in Control Engineering | 3+0+0 | Seçmeli | 5 |
| CONT 411       | Introduction to Robotics                        | 3+0+0 | Seçmeli | 5 |
| EEE 313        | Signals and Systems                             | 2+2+0 | Seçmeli | 5 |
| IE 301         | Operations Research I                           | 2+2+0 | Seçmeli | 6 |
| IE 303         | Game Theory for Engineers                       | 3+0+0 | Seçmeli | 6 |
| IE 333         | Production Planning and Control I               | 3+0+0 | Seçmeli | 5 |
| IE 351         | Productivity Analysis                           | 3+0+0 | Seçmeli | 6 |
| IE 401         | Mathematical Modeling                           | 3+0+0 | Seçmeli | 6 |
| IE 406         | Systems Simulation                              | 2+2+0 | Seçmeli | 6 |
| IE 433         | Enterprise Resource Planning                    | 3+0+0 | Seçmeli | 6 |
| IE 438         | Product and Process Development                 | 3+0+0 | Seçmeli | 6 |
| ME 412         | Materials Engineering                           | 3+0+0 | Seçmeli | 6 |
| ME 414         | Fundamentals of Nanotechnology                  | 3+0+0 | Seçmeli | 6 |
| ME 421         | Machine Elements II                             | 3+0+0 | Seçmeli | 6 |
| ME 426         | Mechanical Vibrations                           | 3+0+0 | Seçmeli | 6 |
| ME 434         | Modern Control Theory                           | 3+0+0 | Seçmeli | 6 |
| ME 446         | Applied Solid Mechanics                         | 3+0+0 | Seçmeli | 6 |
| ME 451         | Fluid Mechanics II                              | 3+0+0 | Seçmeli | 6 |
| ME 455         | Energy Efficiency                               | 3+0+0 | Seçmeli | 5 |
| ME 461         | Energy Systems                                  | 3+0+0 | Seçmeli | 6 |
| ME 462         | Fundamentals of HVAC                            | 3+0+0 | Seçmeli | 6 |
| ME 466         | Applied Finite Element Analysis                 | 3+0+0 | Seçmeli | 6 |
| ME 467         | Thermodynamics-II                               | 3+0+0 | Seçmeli | 6 |
| ME 473         | Nondestructive Testing                          | 3+0+0 | Seçmeli | 6 |
| ME 484         | Solar Energy Systems                            | 3+0+0 | Seçmeli | 6 |

| 8.Yarıyıl Ders Planı |                             |       |                 |      |
|----------------------|-----------------------------|-------|-----------------|------|
| Ders Kodu            | Ders Adı                    | T+U+L | Zorunlu/Seçmeli | AKTS |
| ME 478               | Design of Thermal Systems   | 2+1+0 | Zorunlu         | 6    |
| ME 492               | Graduation Project          | 0+6+0 | Zorunlu         | 7    |
| Sci.El.8             | Science Elective (2 Pieces) | -     | Seçmeli         | 12   |
| Uni.El.8             | University Elective         | -     | Seçmeli         | 5    |
| Toplam AKTS          |                             |       |                 | 30   |

| Gruplu Dersler |   |       |         |   |
|----------------|---|-------|---------|---|
| BA 202         | Research Methods for Social Sciences                          | 2+1+0 | Seçmeli | 6 |
| BA 242         | Organizational Behavior                                       | 2+1+0 | Seçmeli | 6 |
| BA 252         | Principles of Marketing                                       | 3+0+0 | Seçmeli | 5 |
| BA 342         | Strategic Management and Business Policy                      | 3+0+0 | Seçmeli | 6 |
| BA 362         | Sales Management  | 3+0+0 | Seçmeli | 5 |
| BIO 102        | Introduction to Biology                                       | 3+0+0 | Seçmeli | 6 |
| CHEM 300       | Nanoscience and Nanotechnology                                | 2+0+2 | Seçmeli | 6 |
| CHN 101        | Chinese I   | 2+2+0 | Seçmeli | 5 |
| CHN 102        | Chinese II  | 2+2+0 | Seçmeli | 5 |
| COME 404       | Automata Theory and Formal Languages                          | 3+0+0 | Seçmeli | 6 |
| ECON 212       | Macroeconomics  | 3+0+0 | Seçmeli | 5 |
| ECON 325       | Economic Development  | 3+0+0 | Seçmeli | 5 |
| FIN 442        | International Financial Management                            | 3+0+0 | Seçmeli | 5 |
| GER 102        | German II   | 2+2+0 | Seçmeli | 5 |
| GRD 362        | User Interface Design II                                      | 3+0+0 | Seçmeli | 5 |
| INTR 312       | E-Commerce and E-Business                                     | 3+0+0 | Seçmeli | 5 |
| INTR 354       | International Marketing                                       | 3+0+0 | Seçmeli | 5 |
| INTR 402       | Global Business   | 3+0+0 | Seçmeli | 5 |
| IR 114         | Globalization   | 2+0+0 | Seçmeli | 4 |
| IR 212         | Diplomatic History  | 3+0+0 | Seçmeli | 5 |
| IR 244         | Contemporary Political Ideologies                             | 3+0+0 | Seçmeli | 6 |
| IR 366         | International Organizations                                   | 3+0+0 | Seçmeli | 5 |
| IR 404         | Politics in China and the Far East                            | 2+0+0 | Seçmeli | 5 |
| IR 415         | European Security   | 2+0+0 | Seçmeli | 5 |
| IR 424         | Ethics and International Relations                            | 2+0+0 | Seçmeli | 5 |
| IR 464         | China's Role in Globalization: Economy, Technology, Logistics | 2+0+0 | Seçmeli | 5 |
| MATH 134       | Discrete Mathematics  | 3+0+0 | Seçmeli | 4 |
| MATH 174       | Geometry For Engineers  | 3+0+0 | Seçmeli | 6 |
| MATH 250       | Complex Calculus  | 3+0+0 | Seçmeli | 6 |
| MATH 258       | Partial Differential Equations                                | 3+0+0 | Seçmeli | 6 |
| MATH 354       | Operational Calculus  | 3+0+0 | Seçmeli | 6 |

|          |   |       |         |   |
|----------|---|-------|---------|---|
| PHYS 122 | Electricity and Magnetism                     | 2+0+2 | Seçmeli | 6 |
| PHYS 224 | Modern Physics I                              | 3+0+0 | Seçmeli | 6 |
| PHYS 301 | Classical Mechanics I                         | 3+0+0 | Seçmeli | 6 |
| PHYS 302 | Classical Mechanics II                        | 3+0+0 | Seçmeli | 6 |
| PHYS 324 | Electromagnetic Theory                        | 3+0+0 | Seçmeli | 6 |
| PHYS 334 | Quantum Mechanics                             | 3+0+0 | Seçmeli | 6 |
| PHYS 417 | Cosmology                                     | 3+0+0 | Seçmeli | 6 |
| PHYS 432 | Computational Physics                         | 3+0+0 | Seçmeli | 6 |
| PHYS 473 | Introduction to Optoelectronics and Photonics | 3+0+0 | Seçmeli | 6 |
| POLS 102 | Introduction to Political Science             | 2+0+0 | Seçmeli | 6 |
| PSY 204  | History of Psychology                         | 3+0+0 | Seçmeli | 4 |
| SMR 400  | Seminar                                       | 2+0+0 | Seçmeli | 2 |
| SOC 100  | General Sociology                             | 3+0+0 | Seçmeli | 5 |
| VTS 301  | Volunteering Studies                          | 1+2+0 | Seçmeli | 4 |

#### SEÇMELİ DERSLER HAVUZU

|          |  |       |         |   |
|----------|--|-------|---------|---|
| BA 202   | Research Methods for Social Sciences               | 2+1+0 | Seçmeli | 6 |
| BA 211   | General Accounting                                 | 3+0+0 | Seçmeli | 5 |
| BA 241   | Management and Organization                        | 3+0+0 | Seçmeli | 5 |
| BA 242   | Organizational Behavior                            | 2+1+0 | Seçmeli | 6 |
| BA 252   | Principles of Marketing                            | 3+0+0 | Seçmeli | 5 |
| BA 342   | Strategic Management and Business Policy           | 3+0+0 | Seçmeli | 6 |
| BA 353   | Consumer Behavior                                  | 3+0+0 | Seçmeli | 5 |
| BA 362   | Sales Management                                   | 3+0+0 | Seçmeli | 5 |
| BA 449   | Entrepreneurship and Small Business Administration | 3+0+0 | Seçmeli | 5 |
| BA 455   | Human Resource Management                          | 3+0+0 | Seçmeli | 6 |
| BIO 102  | Introduction to Biology                            | 3+0+0 | Seçmeli | 6 |
| CE 439   | Water Supply and Environmental Health              | 3+0+0 | Seçmeli | 6 |
| CHEM 300 | Nanoscience and Nanotechnology                     | 2+0+2 | Seçmeli | 6 |
| CHN 101  | Chinese I  | 2+2+0 | Seçmeli | 5 |
| CHN 102  | Chinese II   | 2+2+0 | Seçmeli | 5 |
| COME 214 | Programming Language Concepts                      | 2+0+2 | Seçmeli | 5 |
| COME 226 | Computer Organization and Architecture             | 2+0+2 | Seçmeli | 5 |
| COME 302 | Information and Data Analysis                      | 2+0+2 | Seçmeli | 5 |
| COME 320 | Computer Graphics with Open GL                     | 2+0+2 | Seçmeli | 5 |
| COME 346 | Business Information Systems                       | 2+0+2 | Seçmeli | 5 |
| COME 404 | Automata Theory and Formal Languages               | 3+0+0 | Seçmeli | 6 |
| COME 414 | Electronic Business and Commerce Systems           | 3+0+0 | Seçmeli | 5 |
| COME 493 | Fuzzy-System and Neural-Network Computing          | 2+0+2 | Seçmeli | 5 |
| CONT 212 | Electrical Measurements and Sensors                | 2+0+2 | Seçmeli | 5 |
| CONT 317 | Modelling and Simulation in Control Engineering    | 3+0+0 | Seçmeli | 5 |
| CONT 411 | Introduction to Robotics                           | 3+0+0 | Seçmeli | 5 |
| ECON 211 | Microeconomics                                     | 3+0+0 | Seçmeli | 5 |
| ECON 212 | Macroeconomics                                     | 3+0+0 | Seçmeli | 5 |
| ECON 321 | International Economics                            | 3+0+0 | Seçmeli | 5 |
| ECON 325 | Economic Development                               | 3+0+0 | Seçmeli | 5 |
| EEE 313  | Signals and Systems                                | 2+2+0 | Seçmeli | 5 |
| EEE 418  | Microprocessors and IoT                            | 1+2+0 | Seçmeli | 5 |
| ELIT 291 | Film as Text                                       | 2+2+0 | Seçmeli | 6 |
| FIN 442  | International Financial Management                 | 3+0+0 | Seçmeli | 5 |
| GER 101  | German I   | 2+2+0 | Seçmeli | 5 |
| GER 102  | German II  | 2+2+0 | Seçmeli | 5 |
| GRD 361  | User Interface Design I                            | 3+0+0 | Seçmeli | 5 |
| GRD 362  | User Interface Design II                           | 3+0+0 | Seçmeli | 5 |
| IE 301   | Operations Research I                              | 2+2+0 | Seçmeli | 6 |
| IE 302   | Operations Research II                             | 2+2+0 | Seçmeli | 6 |
| IE 303   | Game Theory for Engineers                          | 3+0+0 | Seçmeli | 6 |
| IE 332   | Facilities Planning and Design                     | 3+0+0 | Seçmeli | 5 |
| IE 333   | Production Planning and Control I                  | 3+0+0 | Seçmeli | 5 |
| IE 335   | Total Quality Management                           | 3+0+0 | Seçmeli | 5 |
| IE 351   | Productivity Analysis                              | 3+0+0 | Seçmeli | 6 |
| IE 356   | Business and Society                               | 3+0+0 | Seçmeli | 6 |
| IE 362   | Engineering Economy                                | 3+0+0 | Seçmeli | 4 |
| IE 401   | Mathematical Modeling                              | 3+0+0 | Seçmeli | 6 |
| IE 405   | Stochastic Models                                  | 3+0+0 | Seçmeli | 6 |
| IE 406   | Systems Simulation                                 | 2+2+0 | Seçmeli | 6 |
| IE 433   | Enterprise Resource Planning                       | 3+0+0 | Seçmeli | 6 |
| IE 438   | Product and Process Development                    | 3+0+0 | Seçmeli | 6 |

|          |   |       |         |   |
|----------|---|-------|---------|---|
| IE 452   | Industrial Psychology   | 3+0+0 | Seçmeli | 6 |
| IE 476   | Environmental Studies   | 3+0+0 | Seçmeli | 6 |
| INTR 213 | International Logistics                                       | 3+0+0 | Seçmeli | 5 |
| INTR 312 | E-Commerce and E-Business                                     | 3+0+0 | Seçmeli | 5 |
| INTR 354 | International Marketing                                       | 3+0+0 | Seçmeli | 5 |
| INTR 402 | Global Business   | 3+0+0 | Seçmeli | 5 |
| IR 114   | Globalization   | 2+0+0 | Seçmeli | 4 |
| IR 212   | Diplomatic History  | 3+0+0 | Seçmeli | 5 |
| IR 221   | Diplomatic History of the Ottoman Empire                      | 3+0+0 | Seçmeli | 6 |
| IR 227   | Terrorism   | 2+0+0 | Seçmeli | 5 |
| IR 235   | Politics of Poverty   | 3+0+0 | Seçmeli | 6 |
| IR 244   | Contemporary Political Ideologies                             | 3+0+0 | Seçmeli | 6 |
| IR 261   | International Relations Theory                                | 3+0+0 | Seçmeli | 6 |
| IR 366   | International Organizations                                   | 3+0+0 | Seçmeli | 5 |
| IR 404   | Politics in China and the Far East                            | 2+0+0 | Seçmeli | 5 |
| IR 405   | History and Politics of the Balkans                           | 2+0+0 | Seçmeli | 5 |
| IR 407   | World Politics and Middle East                                | 3+0+0 | Seçmeli | 6 |
| IR 413   | Current Issues in Turkish Politics I                          | 3+0+0 | Seçmeli | 6 |
| IR 415   | European Security   | 2+0+0 | Seçmeli | 5 |
| IR 424   | Ethics and International Relations                            | 2+0+0 | Seçmeli | 5 |
| IR 436   | Culture and Identity in World Politics                        | 0+2+0 | Seçmeli | 6 |
| IR 464   | China's Role in Globalization: Economy, Technology, Logistics | 2+0+0 | Seçmeli | 5 |
| IR 465   | Russian and Eurasian Politics                                 | 2+0+0 | Seçmeli | 5 |
| MATH 134 | Discrete Mathematics  | 3+0+0 | Seçmeli | 4 |
| MATH 174 | Geometry For Engineers  | 3+0+0 | Seçmeli | 6 |
| MATH 250 | Complex Calculus  | 3+0+0 | Seçmeli | 6 |
| MATH 258 | Partial Differential Equations                                | 3+0+0 | Seçmeli | 6 |
| MATH 354 | Operational Calculus  | 3+0+0 | Seçmeli | 6 |
| MATH 431 | Introduction to Topology                                      | 0+0+0 | Seçmeli | 6 |
| ME 302   | Experimental Engineering II                                   | 1+0+4 | Seçmeli | 5 |
| ME 318   | Introduction to Composites                                    | 3+0+0 | Seçmeli | 5 |
| ME 328   | Introduction to Automotive Technology                         | 3+0+0 | Seçmeli | 5 |
| ME 332   | Manufacturing Technology                                      | 3+0+0 | Seçmeli | 5 |
| ME 335   | Mechatronics  | 3+0+0 | Seçmeli | 5 |
| ME 338   | Fluid Power Control   | 3+0+0 | Seçmeli | 5 |
| ME 357   | Introduction to Finite Element Method                         | 3+0+0 | Seçmeli | 5 |
| ME 366   | Computer Aided Modelling and Analysis                         | 2+0+1 | Seçmeli | 5 |
| ME 374   | Heat Engines  | 3+0+0 | Seçmeli | 5 |
| ME 378   | Introduction to Advanced Technologies                         | 3+0+0 | Seçmeli | 5 |
| ME 412   | Materials Engineering   | 3+0+0 | Seçmeli | 6 |
| ME 414   | Fundamentals of Nanotechnology                                | 3+0+0 | Seçmeli | 6 |
| ME 421   | Machine Elements II   | 3+0+0 | Seçmeli | 6 |
| ME 426   | Mechanical Vibrations   | 3+0+0 | Seçmeli | 6 |
| ME 434   | Modern Control Theory   | 3+0+0 | Seçmeli | 6 |
| ME 446   | Applied Solid Mechanics                                       | 3+0+0 | Seçmeli | 6 |
| ME 451   | Fluid Mechanics II  | 3+0+0 | Seçmeli | 6 |
| ME 455   | Energy Efficiency   | 3+0+0 | Seçmeli | 5 |
| ME 461   | Energy Systems  | 3+0+0 | Seçmeli | 6 |
| ME 462   | Fundamentals of HVAC  | 3+0+0 | Seçmeli | 6 |
| ME 466   | Applied Finite Element Analysis                               | 3+0+0 | Seçmeli | 6 |
| ME 467   | Thermodynamics-II   | 3+0+0 | Seçmeli | 6 |
| ME 473   | Nondestructive Testing  | 3+0+0 | Seçmeli | 6 |
| ME 484   | Solar Energy Systems  | 3+0+0 | Seçmeli | 6 |
| MIS 101  | Introduction to Management Information Systems                | 2+0+0 | Seçmeli | 5 |
| PHIL 313 | Professional Ethics   | 3+0+0 | Seçmeli | 5 |
| PHYS 122 | Electricity and Magnetism                                     | 2+0+2 | Seçmeli | 6 |
| PHYS 223 | Light and Optics  | 2+1+1 | Seçmeli | 6 |
| PHYS 224 | Modern Physics I  | 3+0+0 | Seçmeli | 6 |
| PHYS 301 | Classical Mechanics I   | 3+0+0 | Seçmeli | 6 |
| PHYS 302 | Classical Mechanics II  | 3+0+0 | Seçmeli | 6 |
| PHYS 324 | Electromagnetic Theory  | 3+0+0 | Seçmeli | 6 |
| PHYS 325 | Modern Physics II   | 4+0+0 | Seçmeli | 6 |
| PHYS 334 | Quantum Mechanics   | 3+0+0 | Seçmeli | 6 |
| PHYS 371 | Solid State Physics for Engineers                             | 3+0+0 | Seçmeli | 6 |
| PHYS 417 | Cosmology   | 3+0+0 | Seçmeli | 6 |
| PHYS 432 | Computational Physics   | 3+0+0 | Seçmeli | 6 |
| PHYS 473 | Introduction to Optoelectronics and Photonics                 | 3+0+0 | Seçmeli | 6 |
| POLS 101 | Introduction to Social Sciences                               | 2+0+0 | Seçmeli | 6 |
| POLS 102 | Introduction to Political Science                             | 2+0+0 | Seçmeli | 6 |

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| PSY 204  | History of Psychology           | 3+0+0 | Seçmeli | 4 |
| SBYO 105 | Special Education and Inclusion | 3+0+0 | Seçmeli | 4 |
| SMR 400  | Seminar                         | 2+0+0 | Seçmeli | 2 |
| SOC 100  | General Sociology               | 3+0+0 | Seçmeli | 5 |
| VTS 301  | Volunteering Studies            | 1+2+0 | Seçmeli | 4 |