



Doğuş Üniversitesi
MÜHENDİSLİK FAKÜLTESİ
ENDÜSTRİ MÜHENDİSLİĞİ (İNGİLİZCE)
ENDÜSTRİ 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
ECON 101	Introduction to Economics	3+0+0	Zorunlu	5
ENG 201	Critical Reading and Writing in English	4+0+0	Zorunlu	4
IE 101	Introduction to Industrial Engineering	3+0+0	Zorunlu	2
MATH 111	Calculus I	2+2+0	Zorunlu	6
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
ESCI 106	Introduction to Solid Mechanics	2+2+0	Zorunlu	5
MATH 112	Calculus II	2+2+0	Zorunlu	6
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
COME 106	Introduction to Algorithms and Computer Programming	2+0+2	Zorunlu	4
IE 001	Internship I	0+0+0	Zorunlu	5
MATH 213	Linear Algebra	3+0+0	Zorunlu	5
ME 103	Computer Aided Engineering Graphics	2+0+2	Zorunlu	5
STAT 203	Engineering Statistics I	2+2+0	Zorunlu	5
SEC I (Sci. Elec.)	Science Elective	-	Seçmeli	6
Toplam AKTS				30

Gruplu Dersler				
CHEM 300	Nanoscience and Nanotechnology	2+0+2	Seçmeli	6
MATH 431	Introduction to Topology	0+0+0	Seçmeli	6
PHYS 223	Light and Optics	2+1+1	Seçmeli	6
PHYS 301	Classical Mechanics I	3+0+0	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
IE 002	Internship II	0+0+0	Zorunlu	2
IE 222	Introduction to Manufacturing Technologies	3+0+0	Zorunlu	5
IE 252	Work Study and Ergonomics	2+2+0	Zorunlu	6
MATH 214	Differential Equations	2+2+0	Zorunlu	6
STAT 204	Engineering Statistics II	2+2+0	Zorunlu	6
SEC II (Üni. Elec.)	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
BA 455	Human Resource Management	3+0+0	Seçmeli	6
CHN 102	Chinese II	2+2+0	Seçmeli	5
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
FRN 102	French II	2+2+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 404	Politics in China and the Far East	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
ITA 102	Italian II	2+2+0	Seçmeli	5
JAP 102	Japanese II	2+2+0	Seçmeli	5
POLS 102	Introduction to Political Science	2+0+0	Seçmeli	6
PSY 204	History of Psychology	3+0+0	Seçmeli	4
RUS 101	Russian I	2+2+0	Seçmeli	5
SMR 400	Seminar	2+0+0	Seçmeli	2
SOC 100	General Sociology	3+0+0	Seçmeli	5
SOC 242	Making of the Modern World	2+0+0	Seçmeli	6
VTs 301	Volunteering Studies	1+2+0	Seçmeli	4

5.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
BA 211	General Accounting	3+0+0	Zorunlu	5
IE 003	Internship III	0+0+0	Zorunlu	3
IE 301	Operations Research I	2+2+0	Zorunlu	6
IE 333	Production Planning and Control I	3+0+0	Zorunlu	5
SEC II (Dep. Elec.)	Departmental Elective	-	Seçmeli	6
SEC IV (Üni. Elec.)	University Elective	-	Seçmeli	5
Toplam AKTS				30
Gruplu Dersler				
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
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
FRN 101	French I	2+2+0	Seçmeli	5
GER 101	German I	2+2+0	Seçmeli	5
GRD 361	User Interface Design I	3+0+0	Seçmeli	5
IE 303	Game Theory for Engineers	3+0+0	Seçmeli	6
IE 304	Applications in Data Analysis	3+0+0	Seçmeli	6
IE 323	Production Systems	3+0+0	Seçmeli	6
IE 331	Facilities Planning and Design	3+0+0	Seçmeli	5
IE 351	Productivity Analysis	3+0+0	Seçmeli	6
IE 401	Mathematical Modeling	3+0+0	Seçmeli	6
IE 403	Network Theory	3+0+0	Seçmeli	6
IE 433	Enterprise Resource Planning	3+0+0	Seçmeli	6
IE 434	Entrepreneurship and Innovation	2+2+0	Seçmeli	6
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 244	Contemporary Political Ideologies	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 415	European Security	2+0+0	Seçmeli	5
IR 465	Russian and Eurasian Politics	2+0+0	Seçmeli	5
ITA 101	Italian I	2+2+0	Seçmeli	5
JAP 101	Japanese I	2+2+0	Seçmeli	5
MIS 101	Introduction to Management Information Systems	2+0+0	Seçmeli	5
POLS 101	Introduction to Social Science	2+0+0	Seçmeli	6
SBYO 105	Special Education and Inclusion	3+0+0	Seçmeli	4
SOC 100	General Sociology	3+0+0	Seçmeli	5

6.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
IE 302	Operations Research II	2+2+0	Zorunlu	6
IE 332	Facilities Planning and Design	3+0+0	Zorunlu	5
IE 334	Production Planning and Control II	3+0+0	Zorunlu	5
IE 335	Total Quality Management	3+0+0	Zorunlu	5

IE 362	Engineering Economy	3+0+0	Zorunlu	4
SEC V (Fac. Elec.)	Faculty Elective	-	Seçmeli	5
Toplam AKTS				30
Gruplu Dersler				
COME 108	Algorithms and Programming II	2+0+2	Seçmeli	6
COME 214	Programming Language Concepts	2+0+2	Seçmeli	5
COME 218	Data Structures and Algorithms	2+0+2	Seçmeli	6
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 342	Introduction to Software Engineering	2+0+2	Seçmeli	6
COME 346	Business Information Systems	2+0+2	Seçmeli	5
COME 412	Data Communications Systems	3+0+0	Seçmeli	5
CONT 212	Electrical Measurements and Sensors	2+0+2	Seçmeli	5
EEE 418	Microprocessors and IoT	1+2+0	Seçmeli	5
ME 212	Materials Science	3+0+1	Seçmeli	5
ME 264	Thermodynamics I	3+1+0	Seçmeli	5
ME 302	Experimental Engineering II	1+0+4	Seçmeli	5
ME 304	Modelling and Control of Dynamic Systems	3+0+0	Seçmeli	5
ME 322	Machine Elements I	3+1+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
IE 406	Systems Simulation	2+2+0	Zorunlu	6
IE 438	Product and Process Development	3+0+0	Zorunlu	6
IE 491	Research Project	1+2+0	Zorunlu	5
SEC VI (Dep. Elec.)	Departmental Elective (2 Pieces)	-	Seçmeli	12
Toplam AKTS				30
Gruplu Dersler				
IE 303	Game Theory for Engineers	3+0+0	Seçmeli	6
IE 304	Applications in Data Analysis	3+0+0	Seçmeli	6
IE 323	Production Systems	3+0+0	Seçmeli	6
IE 331	Facilities Planning and Design	3+0+0	Seçmeli	5
IE 351	Productivity Analysis	3+0+0	Seçmeli	6
IE 401	Mathematical Modeling	3+0+0	Seçmeli	6
IE 403	Network Theory	3+0+0	Seçmeli	6
IE 433	Enterprise Resource Planning	3+0+0	Seçmeli	6
IE 434	Entrepreneurship and Innovation	2+2+0	Seçmeli	6

8.Yarıyıl Ders Planı				
Ders Kodu	Ders Adı	T+U+L	Zorunlu/Seçmeli	AKTS
IE 492	Graduation Project	0+6+0	Zorunlu	7
SEC IX (Sci. Elec.)	Science Elective	-	Seçmeli	5
SEC VII (Dep. Elec.)	Departmental Elective (2 Pieces)	-	Seçmeli	12
SEC VIII (Fac. Elec.)	Faculty Elective	-	Seçmeli	6
Toplam AKTS				30
Gruplu Dersler				
BIO 102	Introduction to Biology	3+0+0	Seçmeli	6
COME 108	Algorithms and Programming II	2+0+2	Seçmeli	6
COME 214	Programming Language Concepts	2+0+2	Seçmeli	5
COME 218	Data Structures and Algorithms	2+0+2	Seçmeli	6
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 342	Introduction to Software Engineering	2+0+2	Seçmeli	6
COME 346	Business Information Systems	2+0+2	Seçmeli	5
COME 404	Automata Theory and Formal Languages	3+0+0	Seçmeli	6
COME 412	Data Communications Systems	3+0+0	Seçmeli	5
COME 414	Electronic Business and Commerce Systems	3+0+0	Seçmeli	5
EEE 418	Microprocessors and IoT	1+2+0	Seçmeli	5
IE 304	Applications in Data Analysis	3+0+0	Seçmeli	6
IE 402	Introduction to Multicriteria Decision Making	3+0+0	Seçmeli	6
IE 405	Stochastic Models	3+0+0	Seçmeli	6
IE 425	Computer Integrated Manufacturing	2+0+2	Seçmeli	6
IE 433	Enterprise Resource Planning	3+0+0	Seçmeli	6
IE 434	Entrepreneurship and Innovation	2+2+0	Seçmeli	6
IE 436	Supply Chain Management	3+0+0	Seçmeli	6
IE 440	Introduction to Scheduling	3+0+0	Seçmeli	6

IE 454	Strategic and Technological Planning	3+0+0	Seçmeli	6
IE 462	Lean Manufacturing	3+0+0	Seçmeli	6
IE 476	Environmental Studies	3+0+0	Seçmeli	6
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
ME 212	Materials Science	3+0+1	Seçmeli	5
ME 264	Thermodynamics I	3+1+0	Seçmeli	5
ME 302	Experimental Engineering II	1+0+4	Seçmeli	5
ME 304	Modelling and Control of Dynamic Systems	3+0+0	Seçmeli	5
ME 322	Machine Elements I	3+1+0	Seçmeli	5
PHYS 112	Waves, Fluids, Thermodynamics	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 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

SEÇMELİ DERSLER HAVUZU

BA 202	Research Methods for Social Sciences	2+1+0	Seçmeli	6
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
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 108	Algorithms and Programming II	2+0+2	Seçmeli	6
COME 214	Programming Language Concepts	2+0+2	Seçmeli	5
COME 218	Data Structures and Algorithms	2+0+2	Seçmeli	6
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 342	Introduction to Software Engineering	2+0+2	Seçmeli	6
COME 346	Business Information Systems	2+0+2	Seçmeli	5
COME 404	Automata Theory and Formal Languages	3+0+0	Seçmeli	6
COME 412	Data Communications Systems	3+0+0	Seçmeli	5
COME 414	Electronic Business and Commerce Systems	3+0+0	Seçmeli	5
CONT 212	Electrical Measurements and Sensors	2+0+2	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 418	Microprocessors and IoT	1+2+0	Seçmeli	5
FIN 442	International Financial Management	3+0+0	Seçmeli	5
FRN 101	French I	2+2+0	Seçmeli	5
FRN 102	French II	2+2+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 303	Game Theory for Engineers	3+0+0	Seçmeli	6
IE 304	Applications in Data Analysis	3+0+0	Seçmeli	6
IE 323	Production Systems	3+0+0	Seçmeli	6
IE 331	Facilities Planning and Design	3+0+0	Seçmeli	5
IE 351	Productivity Analysis	3+0+0	Seçmeli	6
IE 401	Mathematical Modeling	3+0+0	Seçmeli	6
IE 402	Introduction to Multicriteria Decision Making	3+0+0	Seçmeli	6
IE 403	Network Theory	3+0+0	Seçmeli	6

IE 405	Stochastic Models	3+0+0	Seçmeli	6
IE 425	Computer Integrated Manufacturing	2+0+2	Seçmeli	6
IE 433	Enterprise Resource Planning	3+0+0	Seçmeli	6
IE 434	Entrepreneurship and Innovation	2+2+0	Seçmeli	6
IE 436	Supply Chain Management	3+0+0	Seçmeli	6
IE 440	Introduction to Scheduling	3+0+0	Seçmeli	6
IE 454	Strategic and Technological Planning	3+0+0	Seçmeli	6
IE 462	Lean Manufacturing	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 244	Contemporary Political Ideologies	3+0+0	Seçmeli	6
IR 261	International Relations Theory	3+0+0	Seçmeli	6
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 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
ITA 101	Italian I	2+2+0	Seçmeli	5
ITA 102	Italian II	2+2+0	Seçmeli	5
JAP 101	Japanese I	2+2+0	Seçmeli	5
JAP 102	Japanese II	2+2+0	Seçmeli	5
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 212	Materials Science	3+0+1	Seçmeli	5
ME 264	Thermodynamics I	3+1+0	Seçmeli	5
ME 302	Experimental Engineering II	1+0+4	Seçmeli	5
ME 304	Modelling and Control of Dynamic Systems	3+0+0	Seçmeli	5
ME 322	Machine Elements I	3+1+0	Seçmeli	5
MIS 101	Introduction to Management Information Systems	2+0+0	Seçmeli	5
PHYS 112	Waves, Fluids, Thermodynamics	3+0+0	Seçmeli	6
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 Science	2+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
RUS 101	Russian I	2+2+0	Seçmeli	5
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
SOC 242	Making of the Modern World	2+0+0	Seçmeli	6
VTS 301	Volunteering Studies	1+2+0	Seçmeli	4