Tablo 1

ÖĞRETİM PROGRAMI TABLOSU

HACETTEPE ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ
ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
ENDÜSTRİ MÜHENDİSLİĞİ LİSANS PROGRAMI (İNGİLİZCE)

GÜZ					BAHAR				
DERSİN KODU VE ADI	**T**	**P**	**K**	**AKTS**	**DERSİN KODU VE ADI**	**T**	**P**	**K**	**AKTS**
1. YARIYIL					**2. YARIYIL**				
ZORUNLU DERSLER LİSTESİ					**ZORUNLU DERSLER LİSTESİ**				
BEB650 - Basic Information and Communication Technologies	0	2	1	2	EMÜ102 - Computer Aided Technical Drawing	2	2	3	6
ECO135 - Introduction to Economics I	3	0	3	5	ECO136 - Introduction to Economics II	3	0	3	5
EMÜ101 - Introduction to Industrial Engineering	2	0	2	3	FİZ117 - General Physics Laboratory	0	3	1	2
FİZ137 - Physics I	4	0	4	5	FİZ138 - Physics II	4	0	4	5
İNG111 - Integrated Skills I	3	0	3	3	İNG112 - Integrated Skills II	3	0	3	3
KİM127 - Basic Chemistry	3	0	3	4	MAT124 - Mathematics II	4	2	5	6
MAT123 - Mathematics I	4	2	5	6	TKD104 - Turkish Language II	2	0	2	2
TKD103 - Turkish Language I	2	0	2	2	MÜH103 - Occupational Health and Safety I	1	0	1	1
TOPLAM ZORUNLU DERS	**21**	**4**	**23**	**30**	**TOPLAM ZORUNLU DERS**	**19**	**7**	**22**	**30**
SEÇMELİ DERSLER LİSTESİ					**SEÇMELİ DERSLER LİSTESİ**				
TOPLAM SEÇMELİ DERS	**0**	**0**	**0**	**0**	**TOPLAM SEÇMELİ DERS**	**0**	**0**	**0**	**0**
YARIYIL TOPLAM			**23**	**30**	**YARIYIL TOPLAM**			**22**	**30**
3. YARIYIL					**4. YARIYIL**				
ZORUNLU DERSLER LİSTESİ					**ZORUNLU DERSLER LİSTESİ**				
AİT203 - Atatürks Principles and a History of His Reforms I	2	0	2	2	AİT204 - Atatürks Principles and a History of His Reforms II	2	0	2	2
EMÜ221 - Introduction to Optimization and Modeling	3	0	3	5	EMÜ222 - Deterministic Operations Research	3	0	3	5
EMÜ231 - Probability and Statistics for Engineers I	3	0	3	5	EMÜ232 - Probability and Statistics for Engineers II	3	0	3	5
MAT245 - Linear Algebra	4	0	4	5	EMÜ242 - Work Analysis and Design	3	0	3	5
MMÜ251 - Materials Science	3	0	3	4	MMÜ242 - Numerical Analysis	3	0	3	4
MMÜ261 - Engineering Mechanics	3	0	3	4	MMÜ244 - Manufacturing Processes and Engineering	3	0	3	4
MÜH101 -Introduction to Programming	3	0	3	5	Out-of-field (Non-technical) Elective I	2	0	2	2
					Out-of-field (Non-technical) Elective II	3	0	3	3
TOPLAM ZORUNLU DERS	**21**	**0**	**21**	**30**	**TOPLAM ZORUNLU DERS**	**17**	**0**	**17**	**25**
SEÇMELİ DERSLER LİSTESİ					**SEÇMELİ DERSLER LİSTESİ**				
TOPLAM SEÇMELİ DERS	**0**	**0**	**0**	**0**	**TOPLAM SEÇMELİ DERS**	**5**	**0**	**5**	**5**
YARIYIL TOPLAM			**21**	**30**	**YARIYIL TOPLAM**			**22**	**30**
5. YARIYIL					**6. YARIYIL**				
ZORUNLU DERSLER LİSTESİ					**ZORUNLU DERSLER LİSTESİ**				
EMÜ321 - Stochastic Operations Research	3	0	3	5	EMÜ322 - Simulation Modeling and Analysis	2	2	3	5
EMÜ331 - Statistical Quality Control	3	0	3	5	EMÜ336 - Data Mining	3	0	3	4
EMÜ341 - Production Planning and Control I	3	0	3	5	EMÜ342 - Production Planning and Control II	3	0	3	5
EMÜ365 - Engineering Economy	3	0	3	5	EMÜ464 - Project Management	3	0	3	4
EMÜ398 - Internship I	0	4	2	4					
TOPLAM ZORUNLU DERS	**12**	**4**	**14**	**24**	**TOPLAM ZORUNLU DERS**	**11**	**2**	**12**	**18**
In-field elective I	3	0	3	6	In-field Elective II	3	0	3	6
					In-field Elective III	3	0	3	6
TOPLAM SEÇMELİ DERS	**3**	**0**	**3**	**6**	**TOPLAM SEÇMELİ DERS**	**6**	**0**	**6**	**12**
YARIYIL TOPLAM			**17**	**30**	**YARIYIL TOPLAM**			**18**	**30**
7. YARIYIL					**8. YARIYIL**				
ZORUNLU DERSLER LİSTESİ					**ZORUNLU DERSLER LİSTESİ**				
EMÜ405 - System Analysis and Design I	0	6	2	8	EMÜ406 - System Analysis and Design II	0	6	2	8
EMÜ498 - Internship II	0	4	2	4					
MÜH104 - Occupational Health and Safety II	1	0	1	1					
MÜH401 - Multi-Disciplined Project Work	0	2	1	1					
TOPLAM ZORUNLU DERS	**1**	**12**	**6**	**14**	**TOPLAM ZORUNLU DERS**	**0**	**6**	**2**	**8**
SEÇMELİ DERSLER LİSTESİ					**SEÇMELİ DERSLER LİSTESİ**				
In-field Elective IV	3	0	3	6	In-field Elective VII	3	0	3	5
In-field Elective V	3	0	3	5	In-field Elective VIII	3	0	3	5
In-field Elective VI	3	0	3	5	In-field Elective IX	3	0	3	6
					In-field Elective X	3	0	3	6
TOPLAM SEÇMELİ DERS	**9**	**0**	**9**	**16**	**TOPLAM SEÇMELİ DERS**	**12**	**0**	**12**	**22**
YARIYIL TOPLAM			**15**	**30**	**YARIYIL TOPLAM**			**14**	**30**
GENEL TOPLAM								**152**	**240**
ZORUNLU DERS **KREDİ MİKTARI**								**117**	**179**
SEÇMELİ DERS **KREDİ MİKTARI**								**35**	**61**
ZORUNLU DERS **KREDİ YÜZDESİ**									**75%**
SEÇMELİ DERS **KREDİ YÜZDESİ**									**25%**

Tablo 2

SERVİS DERSLERİ TABLOSU

HACETTEPE ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ
ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ

DERSİN KODU VE ADI	**T**	**P**	**K**	**AKTS**	**DERSİN KODU VE ADI**	**T**	**P**	**K**	**AKTS**
GÜZ					**BAHAR**				
EMÜ171 - Quality Management	3	0	3	6	EMÜ171 - Quality Management	3	0	3	6
EMÜ371 - Statistics and Probability for Engineers[*]	3	0	3	5	EMÜ472 - Quality Control[*]	3	0	3	5
EMÜ471 - Engineering Economy[*]	3	0	3	5	EMÜ473 - Technology Entrepreneurship	2	2	3	4
EMÜ473 - Technology Entrepreneurship	2	2	3	4					

[*] For Mechanical Engineering Undergraduate Program

HACETTEPE ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ
ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ
ENDÜSTRİ MÜHENDİSLİĞİ LİSANS PROGRAMI (İNGİLİZCE)
ALAN İÇİ SEÇMELİ DERS LİSTESİ

DERSİN KODU VE ADI	**T**	**P**	**K**	**AKTS**
EMÜ324 - Applied Operations Research	3	0	3	6
EMÜ332 - Quality Management	3	0	3	6
EMÜ334 - Introduction to Regression Analysis	3	0	3	6
EMÜ346 - Ergonomics	3	0	3	6
EMÜ347 - Facility Location and Layout	3	0	3	6
EMÜ361 - Financial Accounting	3	0	3	6
EMÜ362 - Cost Accounting	3	0	3	6
EMÜ411 - Management of Information Systems	3	0	3	6
EMÜ412 - Computer Networks	3	0	3	6
EMÜ413 - Decision Support Systems	3	0	3	6
EMÜ414 - Mathematical Programming and Computer Applications	3	0	3	6
EMÜ415 - Database Management Systems	3	0	3	6
EMÜ421 - Multicriteria Decision Making	3	0	3	6
EMÜ423 - Network Flow Analysis	3	0	3	6
EMÜ424 - Decision Analysis	3	0	3	6
EMÜ425 - Engineering Optimization	3	0	3	6
EMÜ426 - Game Theory	3	0	3	6
EMÜ427 - Heuristic Methods for Optimization	3	0	3	6
EMÜ428 - Military Operations Research	3	0	3	6
EMÜ429 - Multi-Objective Combinatorial Optimization	3	0	3	6
EMÜ430 - Data Analytics	3	0	3	6
EMÜ431 - Design of Engineering Experiments	3	0	3	6
EMÜ434 - Reliability Analysis	3	0	3	6
EMÜ435 - Quality Engineering in Product and Process Design	3	0	3	6
EMÜ436 - Time Series Analysis and Forecasting	3	0	3	6
EMÜ437 - Probabilistic Risk Assessment and Decision Support	3	0	3	6
EMÜ438 - Dynamic Decision Models	3	0	3	6
EMÜ439 - Stochastic Processes	3	0	3	6
EMÜ440 - Fundamentals of Industry 4.0	3	0	3	6
EMÜ441 - Inventory Planning and Control	3	0	3	6
EMÜ443 - Revenue Management	3	0	3	6
EMÜ444 - Scheduling and Sequencing	3	0	3	6
EMÜ445 - Enterprise Resource Planning Systems	3	0	3	6
EMÜ446 - Supply Chain Management	3	0	3	6
EMÜ447 - Distribution Logistics	3	0	3	6
EMÜ448 - Lean Production Systems	3	0	3	6
EMÜ451 - Computer Aided Manufacturing	3	0	3	6
EMÜ452 - Applied Petri Nets	3	0	3	6
EMÜ453 - Measurement and Instrumentation	3	0	3	6
EMÜ454 - Maintenance Engineering	3	0	3	6
EMÜ461 - New Product Development	3	0	3	6
EMÜ462 - Engineering Management	3	0	3	6
EMÜ465 - Industrial Economics	3	0	3	6
EMÜ466 - Technology and Innovation Management	3	0	3	6
EMÜ467 - Business Process Engineering	3	0	3	6
EMÜ468 -Strategic Planning	3	0	3	6
EMÜ491 - Special Topics in Industrial Engineering I	3	0	3	6
EMÜ492 - Special Topics in Industrial Engineering II	3	0	3	6
MAT235 - Engineering Mathematics I	4	0	4	5