



T.C.
ANKARA YILDIRIM BEYAZIT ÜNİVERSİTESİ

ÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ - ENDÜSTRİ MÜHENDİSLİĞİ - ENDÜSTRİ MÜHENDİSLİĞİ(İN)
2021-2022 ENDÜSTRİ MÜHENDİSLİĞİ Müfredatı Ders Listesi

1. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
CENG103	COMPUTER PROGRAMMING	Z	3	2	0	6
CHEM101	GENERAL CHEMISTRY	Z	3	0	0	5
ENG101	ACADEMIC ENGLISH I	Z	3	0	0	4
IE101	INDUSTRIAL PROBLEM RECOGNITION I	Z	2	0	0	2
IE103	INTRODUCTION TO INDUSTRIAL ENGINEERING	Z	2	0	0	2
MATH101	CALCULUS I	Z	4	0	0	6
PHYS101	PHYSICS I	Z	3	0	0	4
PHYS103	PHYSICS LABORATORY I	Z	0	2	0	2
TDL101	TÜRK DİLİ I	Z	2	0	0	1
TİT101	TÜRK İNKILAP TARİHİ I	Z	2	0	0	1

TOPLAM AKTS :33 TOPLAM KREDİ :0

2. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
ENGR265	PRINCIPLES OF OCCUPATIONAL HEALTH AND SAFETY	Z	2	0	0	3
IE211	OPERATIONS RESEARCH I	Z	3	2	0	6
IE221	INTRODUCTION TO PROBABILITY	Z	3	0	0	4
IE231	ECONOMICS I	Z	3	0	0	4
IE233	MANAGERIAL AND COST ACCOUNTING FOR ENGINEERS	Z	3	0	0	4
IE253	INTRODUCTION TO MATERIAL SCIENCE	Z	3	0	0	3
MATH219	INTRODUCTION DIFFERENTIAL EQUATIONS	Z	4	0	0	6

TOPLAM AKTS :30 TOPLAM KREDİ :0

3. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE300	INDUSTRIAL PRACTICE I	Z	0	2	0	4
IE319	OPERATION RESEARCH III	Z	3	0	0	5
IE331	ENGINEERING ECONOMY	Z	3	0	0	4
IE341	ERGONOMICS	Z	3	0	0	4
IE351	PRODUCTION PLANNING AND CONTROL I	Z	3	0	0	5
IE363	LOGISTICS MANAGEMENT	Z	3	0	0	4

TOPLAM AKTS :26 TOPLAM KREDİ :0

4. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE404	ENGINEERING MANAGEMENT	Z	3	0	0	5
IE491	GRADUATION PROJECT I	Z	3	3	0	6

TOPLAM AKTS :11 TOPLAM KREDİ :0

SEÇMELİ DERSLER

2. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE286	MANAGEMENT INFORMATION SYSTEMS	S	2	0	0	3

TOPLAM AKTS :3 TOPLAM KREDİ :0

3. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE301	DATABASE MANAGEMENT SYSTEMS	S	3	0	0	4
IE303	QUALITY MANAGEMENT TOOLS & TECHNIQUES	S	3	0	0	4
IE305	JUST IN TIME PRODUCTION SYSTEM	S	3	0	0	4
IE307	SIX SIGMA	S	3	0	0	4
IE311	INTRODUCTION TO DATA MINING	S	3	0	0	4
IE313	FINANCIAL ANALYSIS	S	3	0	0	4
IE315	ARTIFICIAL INTELLIGENCE	S	3	0	0	4
IE317	PROCESS MANAGEMENT	S	3	0	0	4
IE371	SERVICE SYSTEMS MANAGEMENT	S	3	0	0	4

TOPLAM AKTS :36 TOPLAM KREDİ :0

1. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
ENG102	ACADEMIC ENGLISH II	Z	4	0	0	4
IE104	TECHNICAL DRAWING	Z	2	2	0	6
MATH102	CALCULUS II	Z	4	0	0	6
MATH104	LINEAR ALGEBRA	Z	3	0	0	6
PHYS102	PHYSICS II	Z	3	0	0	4
PHYS104	PHYSICS LABORATORY II	Z	0	2	0	2
TDL102	TÜRK DİLİ II	Z	2	0	0	1
TİT102	TÜRK İNKILAP TARİHİ II	Z	2	0	0	1

TOPLAM AKTS :30 TOPLAM KREDİ :0

2. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
ENGR260	PRINCIPLES OF OCCUPATIONAL HEALTH AND SAFETY	Z	2	0	0	3
ENGR266	PRINCIPLES OF OCCUPATIONAL HEALTH AND SAFETY	Z	2	0	0	3
IE214	OPERATIONS RESEARCH II	Z	3	2	0	6
IE222	ENGINEERING STATISTICS	Z	4	0	0	6
IE232	ECONOMICS II	Z	3	0	0	5
IE254	INTRODUCTION TO MANUFACTURING ENGINEERING	Z	3	0	0	4
IE256	WORK ANALYSIS AND DESIGN	Z	4	0	0	5
IE262	HUMAN RELATIONS MANAGEMENT	Z	3	0	0	4

TOPLAM AKTS :36 TOPLAM KREDİ :0

3. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE352	PRODUCTION PLANNING AND CONTROL II	Z	3	0	0	6
IE354	ROBOTIC SYSTEMS AND CONTROL	Z	3	0	0	5
IE362	QUALITY ASSURANCE	Z	3	0	0	5
IE372	SYSTEM SIMULATION	Z	3	2	0	5
IE374	FACILITY DESIGN AND PLANNING	Z	3	0	0	5

TOPLAM AKTS :26 TOPLAM KREDİ :0

4. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE400	INDUSTRIAL PRACTICE II	Z	0	2	0	4
IE492	GRADUATION PROJECT II	Z	3	3	0	6

TOPLAM AKTS :10 TOPLAM KREDİ :0

SEÇMELİ DERSLER

3. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE302	COST MANAGEMENT	S	3	0	0	4
IE304	QUEUEING THEORY	S	3	0	0	4
IE306	MARKETING AND SALES MANAGEMENT	S	3	0	0	4
IE308	GROUP TECHNOLOGY	S	3	0	0	4
IE310	DECISION SUPPORT SYSTEMS	S	3	0	0	4
IE312	HUMAN FACTOR ENGINEERING	S	3	0	0	4
IE314	SUPPLY CHAIN MANAGEMENT	S	3	0	0	4
IE318	DYNAMIC PROGRAMMING	S	3	0	0	4
IE320	ENTREPRENEURSHIP	S	3	0	0	4

TOPLAM AKTS :36 TOPLAM KREDİ :0

4. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
ENGR451	ENGINEERING APPLICATION ON SITE II	S	3	0	0	15
IE402	INTELLIGENT MANUFACTURING SYSTEMS	S	3	0	0	4
IE406	ENTERPRISE ENGINEERING AND ENTERPRISE MANAGEMENT	S	3	0	0	4
IE408	STRATEGIC MANAGEMENT APPLICATIONS	S	3	0	0	4
IE410	ADVANCED COMPUTER PROGRAMMING	S	3	0	0	4



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2021-2022 ENDÜSTRİ MÜHENDİSLİĞİ Müfredatı Ders Listesi

4. Sınıf Güz						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
ENGR450	ENGINEERING APPLICATION ON SITE I	S	2	0	0	15
IE401	TEXTILE TECHNOLOGY	S	3	0	0	4
IE405	ENTERPRISE ASSET MANAGEMENT	S	3	0	0	4
IE407	PLANNING FOR ENGINEERS	S	3	0	0	4
IE409	INTERNATIONAL BUSINESS AND ENTREPRENEUR	S	3	0	0	4
IE411	PROJECT MANAGEMENT	S	3	0	0	4
IE413	MANAGEMENT AND ORGANIZATION	S	3	0	0	4
IE415	KNOWLEDGE MANAGEMENT	S	3	0	0	4
IE417	OPTIMIZATION TOOLS AND TECHNIQUES	S	3	0	0	4
IE419	MAINTENANCE PLANNING	S	3	0	0	4
IE421	QUALITY IMPROVEMENT METHODS	S	3	0	0	4
IE425	RESEARCH AND DEVELOPMENT MANAGEMENT	S	3	0	0	4
IE451	APPLIED SCHEDULING	S	3	0	0	4
IE471	SYSTEMS ENGINEERING I	S	3	0	0	4

TOPLAM AKTS :67 TOPLAM KREDİ :0

4. Sınıf Bahar						
Ders Kodu	Ders Adı	Z/S	T	U	K	A
IE412	ASSEMBLY LINE BALANCING	S	3	0	0	4
IE414	HEURISTIC OPTIMIZATION METHODS	S	3	0	0	4
IE416	ADVANCED OPERATIONS RESEARCH	S	3	0	0	4
IE418	KNOWLEDGE AND INNOVATION SYSTEMS	S	3	0	0	4
IE420	LEAN MANUFACTURING	S	3	0	0	4
IE422	ERP SYSTEMS WITH APPLICATIONS	S	3	0	0	4
IE424	TRANSPORTATION / DISTRIBUTION PLANNING M	S	3	0	0	4
IE426	ENTERPRISE RISK MANAGEMENT	S	3	0	0	4
IE428	FORECASTING METHODS	S	3	0	0	4
IE462	TECHNOLOGY AND INNOVATION MANAGEMENT	S	3	0	0	4
IE464	SYSTEMATIC GOVERNANCE MANAGEMENT	S	3	0	0	4
IE466	MULTICRITERIA DECISION MAKING	S	3	0	0	4
IE468	INTRODUCTION TO MACHINE LEARNING	S	3	0	0	4
IE482	ADVANCED TOPICS IN INDUSTRIAL ENGINEERING	S	3	0	0	6

TOPLAM AKTS :89 TOPLAM KREDİ :0