

KARABÜK ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ İNŞAAT MÜHENDİSLİĞİ BÖLÜMÜ
I. (228) ve II. (229) ÖĞRETİM 2020-2021 EĞİTİM-ÖĞRETİM MÜFREDATI

HAZIRLIK SINIFI											
Hazırlık Sınıfı 1. Yarıyıl					Hazırlık Sınıfı 2. Yarıyıl						
Kod	Ders Adı	TE	PR	KR	AKTS	Kod	Ders Adı	TE	PR	KR	AKTS
INS000	Preparatory Class	0	0	0	0	INS000	Preparatory Class	0	0	0	0

I.SINIF																	
I. Semester						II. Semester											
Kod	Ders Adı	TE	PR	KR	AKTS	Kod	Ders Adı	TE	PR	KR	AKTS						
MAT181	Mathematics I	4	0	4	5	MAT182	Mathematics II	4	0	4	5						
FIZ195	General Physics I	3	2	4	5	FIZ196	General Physics II	3	2	4	5						
KIM189	General Chemistry	3	2	4	4	MAT194	Linear Algebra	3	0	3	4						
OMD101	Information Technologies And Applications	1	2	2	3	INS102	Statics	3	0	3	3						
OMD105	Technical Drawing	2	2	3	5	INS104	Computer Aided Drawing	2	2	3	4						
INS101	Introduction to Civil Engineering	2	0	2	2	INS106	Geology for Civil Engineers	2	1	2	3						
Toplam					15	8	19	30	Toplam					17	5	19	30
AIT181	Atatürk's Principles and History of Revolutions I	2	0	2	2	AIT182	Atatürk's Principles and History of Revolutions II	2	0	2	2						
TUR181	Turkish Language I	2	0	2	2	TUR182	Turkish Language II	2	0	2	2						
YDL183	Foreign Language I	2	0	2	2	YDL184	Foreign Language II	2	0	2	2						

II.SINIF														
III. Semester						IV. Semester								
Kod	Ders Adı	TE	PR	KR	AKTS	Kod	Ders Adı	TE	PR	KR	AKTS			
MAT289	Differential Equations	4	0	4	4	OMD208	Engineering Economics	2	0	2	3			
OMD201	Computer Programming	1	2	2	4	INS202	Construction Materials	2	1	2	4			
OMD207	Numerical Analysis	2	1	2	4	INS204	Topography	2	1	2	5			
OMD205	Probability and Statistics	2	0	2	3	INS206	Strength of Materials II	3	1	3	6			
INS201	Strength of Materials I	3	1	3	5	INS208	Hydrology	2	1	2	5			
INS203	Dynamics	2	1	2	4	INS210	Fluid Mechanics	3	0	3	5			
INS205	Material Science	2	1	2	4	YDL282	Technical Foreign Language II	2	0	2	2			
YDL281	Technical Foreign Language I	2	0	2	2	Toplam					16	4	16	30

III.SINIF														
V. Semester						VI. Semester								
Kod	Ders Adı	TE	PR	KR	AKTS	Kod	Ders Adı	TE	PR	KR	AKTS			
INS301	Structural Analysis I	3	1	3	4	INS302	Structural Analysis II	3	1	3	4			
INS303	Hydraulics	2	1	2	4	INS304	Reinforced Concrete I	3	1	3	4			
INS305	Soil Mechanics I	3	1	3	4	INS306	Steel Structures I	3	1	3	4			
INS307	Transportation I	3	1	3	4	INS308	Soil Mechanics II	3	1	3	5			
OMD305	Occupational Health and Safety I	2	0	2	2	INS310	Transportation II	3	1	3	4			
OMD309	Ethics in Engineering	2	0	2	2	OMD306	Occupational Health and Safety II	2	0	2	2			
INS399	Practice I	0	0	0	4	Social Elective Course		2	0	2	2			
Social Elective Course		2	0	2	2	Technical Elective Course		3	0	3	5			
Technical Elective Course		3	0	3	4	Toplam					22	5	22	30

Social Elective Courses						Social Elective Courses					
MSD301	Labor Law	2	0	2	2	MSD302	Research and Presentation Techniques	2	0	2	2
MSD303	Patent and Industrial Design	2	0	2	2	MSD310	Corporate Behaviour	2	0	2	2
MSD311	Crucial Analytical Thought Tech.	2	0	2	2	MSD318	Current Issues	2	0	2	2

Technical Elective Courses						Technical Elective Courses					
INS309	Concrete and Construction Technology	3	0	3	4	INS312	Urban Development	3	0	3	5
INS311	Geographical Information Systems	3	0	3	4	INS314	Bridges	3	0	3	5
INS313	Disaster Hazard and Risk Assessment	3	0	3	4	INS316	Geotechnical Field Studies	3	0	3	5
INS315	Housing Laws	3	0	3	4	INS318	Advanced Computer Programming	3	0	3	5
INS317	Specific Topics in Civil Engineering	3	0	3	4	INS320	Public Procurement Laws	3	0	3	5
INS319	Building Machinery	3	0	3	4	INS322	Computer Aided Road Project	3	0	3	5
					INS324	Construction Technology	3	0	3	5	
					INS326	Durability of Concrete	3	0	3	5	

IV.SINIF																	
VII. Semester						VIII. Semester											
Kod	Ders Adı	TE	PR	KR	AKTS	Kod	Ders Adı	TE	PR	KR	AKTS						
INS499	Practice II	0	0	0	5	INS498	Final Project	0	2	1	5						
INS494	Workplace Training and Practice	5	15	12	25	INS494	Workplace Training and Practice	5	15	12	25						
Technical Elective Course					3	1	3	5	Technical Elective Course					3	1	3	5
Technical Elective Course					3	1	3	5	Technical Elective Course					3	1	3	5
Technical Elective Course					3	1	3	5	Technical Elective Course					3	1	3	5
Technical Elective Course					3	1	3	5	Technical Elective Course					3	1	3	5
Technical Elective Course					3	1	3	5	Technical Elective Course					3	1	3	5
Toplam (İş Eğitimi ve Uygulaması Derslerini Alan)					5	15	12	30	Toplam (İş Eğitimi ve Uygulaması Derslerini Alan)					5	17	13	30
Toplam (İş Eğitimi ve Uygulaması Derslerini Almayan)					15	5	15	30	Toplam (İş Eğitimi ve Uygulaması Derslerini Almayan)					15	7	16	30

Technical Elective Courses											
INS401	Reinforced Concrete II	3	1	3	5	INS417	Tunnels and Underground Structures	3	1	3	5
INS402	Construction Site Management and Project Management	3	1	3	5	INS418	Performance Based Design	3	1	3	5
INS403	Water Structures	3	1	3	5	INS419	Real Estate Appraising	3	1	3	5
INS404	Geotechnical Applications in Civil Engineering	3	1	3	5	INS420	Earthworks	3	1	3	5
INS405	Foundation Engineering	3	1	3	5	INS421	Architectural Structural Design	3	1	3	5
INS406	Water Supply - Sewage	3	1	3	5	INS422	Masonry Buildings	3	1	3	5
INS407	Introduction To Earthquake Engineering	3	1	3	5	INS423	Pavement Materials/Applications	3	1	3	5
INS408	Coastal Engineering	3	1	3	5	INS424	Reinforced Concrete Shallow Foundations	3	1	3	5
INS409	Experimental Soil Mechanics	3	1	3	5	INS425	Computer Aided Flood Analysis	3	1	3	5
INS410	Reinforced Concrete Structures	3	1	3	5	INS426	Intelligent Transportation Systems	3	1	3	5
INS411	Introduction to Structural Dynamics	3	1	3	5	INS427	Traffic Engineering	3	1	3	5
INS412	Earthquake Resistant Structure Design	3	1	3	5	INS428	Advanced Pavement Technology	3	1	3	5
INS413	Steel Structures II	3	1	3	5	INS429	Material Technology of Wood Structures	3	1	3	5
INS414	Computer Aided Design of Reinforced Concrete Buildings	3	1	3	5	INS430	Computer Aided Design of Steel Structures	3	1	3	5
INS415	Retaining Structure	3	1	3	5	INS431	Building Physics	3	1	3	5
INS416	Introduction to Finite Elements	3	1	3	5	INS432	Experimental Behaviour of RC Structures	3	1	3	5