

GTÜ İnşaat Mühendisliği Lisans Ders Programı
27.08.2019/06 Fakülte Kurulu Kararı; 11.09.2019 tarih ve 2019/09-09 sayılı Senato Kararı

1. Yıl Güz Dönemi							1. Yıl Bahar Dönemi								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 101	Introduction to Civil Engineering and Career Planning	2	1	1	0	0	MT	CE 102	Technical Drawing	3	2	1	0	2	TM
CHEM 101	General Chemistry I	5	3	3	0	0	TB	CE 105	Engineering Mechanics	5	4	3	2	0	TM
CHEM 113	General Chemistry Laboratory I	1	1	0	0	2	TB	ENGL 112	Academic English	2	2	2	0	0	SOS
ENGL 111	Business English	2	2	2	0	0	SOS	CE 103	Introduction to Computers and Programming for Civil E	4	3	2	0	2	TB
MATH 101	Calculus I	7	5	4	2	0	TB	MATH 102	Calculus II	7	5	4	2	0	TB
PHYS 121	Physics I	6	4	4	0	0	TB	PHYS 122	Physics II	6	4	4	0	0	TB
PHYS 151	Physics Laboratory I	1	1	0	0	2	TB	PHYS 152	Physics Laboratory II	1	1	0	0	2	TB
HİS 101	Principles of Atatürk and the History of Turkish Revolution I	2	2	2	0	0	SOS	HİS 102	Principles of Atatürk and the History of Turkish Revolution II	2	2	2	0	0	SOS
TUR 101	Turkish I	2	2	2	0	0	SOS	TUR 102	Turkish II	2	2	2	0	0	SOS
Dönem Toplamı		28	21	18	2	4		Dönem Toplamı		32	25	20	4	6	
2. Yıl Güz Dönemi							2. Yıl Bahar Dönemi								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 201	Probability, Statistics, Risk and Reliability for Civil Engin	5	3	3	0	0	TM	CE 202	Topography	3	2	1	2	0	TM
CE 205	Strength of Materials I	5	3	2	2	0	TM	CE 206	Strength of Materials II	5	3	2	1	1	TM
CE 221	Geology for Civil Engineers	3	2	2	0	0	TM	CE 232	Construction Materials	5	3	2	1	1	MT
CE 231	Materials Science for Civil Engineers	4	3	3	0	0	TM	CE 241	Engineering Economics for Civil Engineers	4	3	3	0	0	TM
CE 281	Introduction to Building Science and Design	5	3	2	2	0	MT	CE 261	Fluid Mechanics	5	3	2	1	1	TM
MATH 215	Differential Equations	5	3	2	2	0	TB	MATH 116	Linear Algebra	5	3	3	0	0	TB
	Non-Technical Elective Course I	3	3	3	0	0	SOS		Non-Technical Elective Course II	3	3	3	0	0	SOS
Dönem Toplamı		30	20	17	6	0		Dönem Toplamı		30	20	16	5	3	
3. Yıl Güz Dönemi							3. Yıl Bahar Dönemi								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 311	Theory of Structures I	5	3	2	2	0	MT	CE 301	Introduction to Civil Engineering Design	6	4	3	2	0	MT
CE 321	Soil Mechanics	5	3	2	1	1	TM	CE 312	Theory of Structures II	5	3	2	2	0	MT
CE 351	Transportation and Railway Engineering	5	3	2	2	0	MT	CE 313	Reinforced Concrete Structures	5	3	2	2	0	MT
CE 361	Hydraulics	5	3	2	1	1	MT	CE 322	Foundation Engineering	5	3	2	2	0	MT
CE XXX	Technical Elective Courses I	4	3	3	0	0	MT	CE 362	Water Resources Engineering	5	3	2	2	0	MT
ENG 300	Summer Practice I	1	0	0	0	0	MT	CE XXX	Technical Elective Courses II	4	3	3	0	0	MT
MATH 214	Numerical Methods	5	3	3	0	0	TB								
Dönem Toplamı		30	18	14	6	2		Dönem Toplamı		30	19	14	10	0	
4. Yıl Güz Dönemi							4. Yıl Bahar Dönemi								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 411	Steel Structures	5	3	2	2	0	MT	CE 492	Graduation Project	8	3	0	6	0	MT
CE 441	Construction Management	5	3	3	0	0	MT	CE XXX	Department Elective Courses VI	6	4	3	2	0	MT
CE 491	Graduation Project Study	2	0	0	2	0	MT	CE XXX	Technical Elective Courses III	4	3	3	0	0	MT
CE XXX	Department Elective Courses IV	6	4	3	2	0	MT	CE XXX	Department Elective Courses II	5	3	2	2	0	MT
CE XXX	Department Elective Courses V	6	4	3	2	0	MT	CE XXX	Department Elective Courses III	5	3	2	2	0	MT
CE XXX	Department Elective Courses I	5	3	2	2	0	MT	ENG 402	Occupational Health and Safety II	1	1	1	0	0	SOS
ENG 400	Summer Practice II	1	0	0	0	0	MT								
ENG 401	Occupational Health and Safety I	1	1	1	0	0	SOS								
Dönem Toplamı		31	18	14	10	0		Dönem Toplamı		29	17	11	12	0	
Technical Elective (I-II-III) Courses (Bölümde Açılacak Seçmeli Dersler) *							Department Elective (IV - V) Courses								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 302	Advanced Programming Techniques for Engineers	4	3	2	0	2	MT	CE 412	Design of Reinforced Concrete Structures	6	4	3	2	0	MT
CE 323	Natural Hazards and Disasters	4	3	3	0	0	MT	CE 413	Design of Steel Structures	6	4	3	2	0	MT
CE 324	Geoenvironmental Engineering	4	3	3	0	0	MT	CE 422	Design of Foundations, Retaining Structures and Slopes	6	4	3	2	0	MT
CE 331	Concrete Technology	4	3	3	0	0	MT	CE 442	Civil Engineering system analysis and Design	6	4	3	2	0	MT
CE 332	Durability of Concrete	4	3	3	0	0	MT	CE 451	Highway Engineering Design	6	4	3	2	0	MT
CE 342	Construction Law and Engineering Ethics	4	3	3	0	0	MT	CE 461	Water Supply and Waste Water Disposal Design	6	4	3	2	0	MT
CE 352	Traffic Engineering	4	3	3	0	0	MT								
CE 363	Introduction to Coastal Engineering	4	3	3	0	0	MT								
CE 364	Hydrology	4	3	3	0	0	MT								
Department Elective (I-II-III) Courses (Bölümde Açılacak Seçmeli Dersler)							Department Elective (VI) Courses								
Kod	Ders	ECTS	C	T	U	L	Türü	Kod	Ders	ECTS	C	T	U	L	Türü
CE 405	Finite Element Method and Applications	5	3	2	2	0	MT	CE 462	Coastal and Harbor Structures Design	6	4	3	2	0	MT
CE 415	Earthquake Resistant Design of Structures	5	3	2	2	0	MT	CE 414	Bridge Design	6	4	3	2	0	MT
CE 416	Performance-Based Design	5	3	2	2	0	MT	CE 421	Design and Construction of Underground Structures	6	4	3	2	0	MT
								CE 463	Marine Structures Design	6	4	3	2	0	MT

Akreditasyon Ölçütleri ile Uyum Göstergeleri

	#	%
Toplam ECTS	240	100
Seçmeli derslerin ağırlığı	51,00	21,25
Matematik ve Temel Bilim derslerinin ağırlığı	53,00	22,08
Tasarım derslerinin ağırlığı	120,00	50,00
İngilizce derslerin ağırlığı	232,00	96,67

Notlar:

Dersin Türü: TB - Temel Bilim, TM - Temel Mühendislik, MT - Mühendislik Tasarım, SOS - Sosyal İçerikli

Önşart Tablosu

<i>Kod</i>	<i>Ders</i>	<i>Önşart olan dersin kodu</i>
CE 201	Probability, Statistics, Risk and Reliability for Civil Engineers	CE 103
CE 362	Water Resources Engineering	CE 361
CE 361	Hydraulics	CE 261
CE 261	Fluid Mechanics	MATH 215, CE 105
MATH 215	Differential Equations	MATH 102
MATH 102	Calculus II	MATH 101
CE 322	Foundation Engineering	CE 321
CE 411	Steel Structures	CE 205, CE 232
CE 205	Strength of Materials I	CE 105
CE 206	Strength of Materials II	CE 205
CE 311	Theory of Structures I	CE 105
CE 312	Theory of Structures II	CE 311
CE 313	Reinforced Concrete Structures	CE 232, CE 205
CE 321	Soil Mechanics	CE 221, CE 205
CE 232	Construction Materials	CE 231
CE 231	Materials Science	CHEM 101
CE 281	Introduction to Building Science and Design	CE 101, CE 102
CE 332	Durability of Concrete	CE 232
CE 105	Engineering Mechanics	PHYS 121

02.03.2020 tarih ve 2020/02 sayılı Fakülte Kurulu Kararı ; 11.03.2020 tarih ve 2020/03-04 sayılı Senato Kararı

Fakültemiz İnşaat Mühendisliği Bölümü Lisans Ders Programında yer alan "CE 261 kodlu Fluid Mechanics" dersi ile "CE 411 kodlu Steel Structures" dersine ait Eski Ön Şart Kurallarının yerine Yeni Ön Şart Kurallarının aşağıdaki tabloda gösterilen şekilde uygulanmasının Fakülte Kurulumuzca kabulüne ve bu hususun Üniversite Senatosunda görüşülmek üzere Rektörlük Makamına arzı ile ilgili Bölüm Başkanlığına ve Öğrenci İşleri Daire Başkanlığına bildirilmesine oybirliği ile karar verildi.

Ders Kodu	Ders Adı	Eski Ön Şart	Yeni Ön Şart
CE 261	Fluid Mechanics	MATH 215, CE 205	MATH 215, CE 105
CE 411	Steel Structures	CE 206, CE 232	CE 205, CE 232