

DEPARTMENT OF CIVIL ENGINEERING CURRICULUM

FIRST YEAR													
1st Semester					2nd Semester								
Course Code	Course Title	T	R	C	ECTS	Course Code	Course Title	T	R	C	ECTS		
CE 115	Computer Aided Drawing for Civil Engineers	2	2	3	6	CE 102	Introduction to Civil Engineering	2	0	2	2		
CHEM 103	Chemistry I	3	2	4	5	CE 104	Engineering Geology	3	0	3	5		
PHYS 131	Physics I	3	2	4	6	PHYS 132	Physics II	3	2	4	6		
MATH 157	Calculus for Engineering I	4	0	4	5	MATH 158	Calculus for Engineering II	4	0	4	5		
ESR 103	Ethical Principles and Social Responsibility	1	0	1	1	CENG 198	Introduction to Computer Programming	2	2	3	5		
TURK 101	Turkish I	2	0	2	3	TURK 102	Turkish II	2	0	2	3		
ENG 121	Academic English I	2	2	3	4	ENG 122	Academic English II	2	2	3	4		
7 courses in total		17	8	21	30	7 courses in total		18	6	21	30		
Total		25			21	Total			24			21	30

SECOND YEAR													
3rd Semester					4th Semester								
Course Code	Course Title	T	R	C	ECTS	Course Code	Course Title	T	R	C	ECTS		
IE 345	Engineering Economy	3	0	3	4	CE 224	Mechanics of Materials	3	2	4	6		
CE 221	Engineering Mechanics:Statics	3	0	3	7	CE 222	Engineering Mechanics: Dynamics	3	0	3	5		
MSE 225	Introduction to Materials Science	3	2	4	6	IE 230	Introduction to Probability and Statistics	2	2	3	5		
MATH 253	Vector Calculus and Linear Algebra	4	0	4	4	CE 242	Materials of Construction	3	2	4	5		
Elective	Social Sciences Elective I (Any Course from the pool)	3	0	3	3	CE 270	Fluid Mechanics	3	2	4	5		
CE 209	Geographical Information Systems	2	2	3	6	MATH 254	Introduction to Differential Equations	4	0	4	4		
6 courses in total		18	4	20	30	6 courses in total		18	8	22	30		
Total		22			20	Total			26			22	30

THIRD YEAR													
5th Semester					6th Semester								
Course Code	Course Title	T	R	C	ECTS	Course Code	Course Title	T	R	C	ECTS		
CE 371	Hydraulics	2	2	3	4	CE 372	Water Resources Engineering	3	0	3	5		
CE 381	Structural Analysis	3	2	4	5	CE 382	Reinforced Concrete Structures	3	0	3	5		
CE 361	Geotechnical Engineering	3	2	4	5	CE 362	Foundation Engineering	4	0	4	5		
CE 301	Numerical Methods for Civil Engineers	3	2	4	4	CE 352	Transportation Engineering	3	0	3	4		
CE 331	Construction Management	3	0	3	4	Elective	Social Sciences Elective II (Any Course from the pool)	3	0	3	3		
HIST 201	Principles of Atatürk and History of Turkish Revolution I	2	0	2	3	HIST 202	Principles of Atatürk and History of Turkish Revolution II	2	0	2	3		
CE 200	Summer Practice I	0	0	0	5	Elective	CE Technical Elective I	3	0	3	5		
7 courses in total		16	8	20	30	7 courses in total		21	0	21	30		
Total		24			20	Total			21			21	30

FOURTH YEAR													
7th Semester					8th Semester								
Course Code	Course Title	T	R	C	ECTS	Course Code	Course Title	T	R	C	ECTS		
CE 415	Civil Engineering Design I	2	4	4	6	CE 416	Civil Engineering Design II	2	4	4	7		
Elective	CE Technical Elective II	3	0	3	5	Elective	CE Technical Elective IV	3	0	3	6		
Elective	CE Technical Elective III	3	0	3	5	Elective	CE Technical Elective V	3	0	3	6		
IE 417	Occupational Health and Safety	3	0	3	4	Elective	CE Technical Elective VI	3	0	3	6		
CE 481	Steel Structures	3	0	3	5	Elective	Engineering Technical Elective VII	3	0	3	5		
CE 300	Summer Practice II	0	0	0	5	5 courses in total		14	4	16	30		
6 courses in total		14	4	16	30	Total		18			16	30	
Total		18			16	Total			18			16	30

Total Contact Hours:	178
Total Credit Hours:	157
Total ECTS:	240