

Course & Program Outcomes Matrix												
Course Code	Course Name	PC1	PC2	PC3	PC4	PC5	PC6	PC7	PC8	PC9	PC10	PC11
PHYS 1851	GENERAL PHYSICS I	4	4	0	2	4	0	0	0	0	0	0
CHEM 1853	GENERAL CHEMISTRY	4	4	0	2	2	0	0	0	0	0	0
MATH 1851	CALCULUS I	4	0	0	0	3	0	0	0	0	0	0
ENG 1803	ACD. WRT. AND ORAL PRESEN. SKILLS I	0	0	0	2	0	0	4	0	2	0	0
CENG 1801	IT FOR ENGINEERS	0	0	0	0	2	0	1	0	0	0	2
TDB 1801	TURKISH I	0	0	0	0	0	0	3	0	0	0	0
CE 1001	INTRODUCTION TO CIVIL ENGINEERING	0	0	0	0	0	4	0	3	0	0	0
ISG 1801	OCCUPATIONAL HEALTH AND SAFETY I	0	0	0	0	0	0	0	4	2	2	0
PHYS 1852	GENERAL PHYSICS II	4	4	0	2	4	0	0	0	0	0	0
ENG 1804	ACD. WRT. AND ORAL PRESEN. SKILLS II	0	0	0	2	0	0	4	0	2	0	0
MATH 1852	CALCULUS II	4	0	0	0	3	0	0	0	0	0	0
ECON 1852	ECONOMICS	2	0	0	0	0	0	0	0	3	4	0
CE 1002	TECHNICAL DRAWING	2	0	2	0	0	0	0	0	0	0	0
CE 1004	STATICS	4	0	0	0	4	0	0	0	0	0	0
TDB 1802	TURKISH II	0	0	0	0	0	0	3	0	0	0	0
ISG 1802	OCCUPATIONAL HEALTH AND SAFETY II	0	0	0	0	0	0	0	4	2	2	0
MATH 2853	DIFFERENTIAL EQUATIONS	4	0	0	0	3	0	0	0	0	0	0
CE 2001	STRUCTURE AND BEHAVIOR OF CIVIL ENGINEERING MATERIALS	4	3	2	0	0	0	0	0	0	0	0
ATB 2801	PRINCIPLES OF KEMAL ATATURK I	0	0	0	0	0	0	0	0	0	0	0
CE 2003	DYNAMICS	4	0	0	0	4	0	0	0	0	0	0
CE 2005	MECHANICS OF MATERIALS	4	0	0	0	4	0	0	0	0	0	0
GEOE 2801	EARTH SCIENCE	4	0	0	0	0	0	0	0	1	0	0
ATB 2802	PRINCIPLES OF KEMAL ATATURK II	4	0	0	0	0	0	0	0	0	0	0
CE 2002	STRUCTURAL SYSTEMS I	4	0	1	3	4	0	0	0	0	0	0
CE 2004	FLUID MECHANICS	4	0	0	1	3	0	0	0	0	0	0
MATH 2852	NUMERICAL METHODS	4	0	0	0	3	0	0	0	0	0	0
STA 2802	STATISTICS AND PROB. FOR ENGINEERS	4	0	0	0	3	0	0	0	0	0	0
BIO 2852	ECOLOGY & ENVIRONMENT	1	0	0	0	0	0	0	3	3	4	0
CE 2006	SOIL MECHANICS I	4	0	0	0	4	2	0	2	0	0	0
CE 3000	SUMMER PRACTICE I (30 WORKDAYS)	2	1	3	4	3	2	4	3	3	3	2
CE 3001	REINFORCED CONCRETE I	4	0	4	3	4	0	0	0	0	0	4
CE 3501	TRANSPORTATION ENGINEERING I (T)	4	0	0	3	0	0	0	0	2	0	0
CE 3503	STRUCTURAL SYSTEMS II (S)	4	0	1	3	4	0	0	0	0	0	0
CE 3505	MATERIALS OF CONSTRUCTION (S)	0	4	3	0	0	3	0	3	0	0	0
CE 3507	TRAFFIC ENGINEERING (T)	4	2	0	3	2	0	0	0	3	0	0
CE 3509	SOIL MECHANICS II (G)	4	0	0	0	4	2	0	0	0	0	0
CE 3511	MEASUREMENT OF SOIL PROPERTIES (G)	4	4	0	0	0	2	0	2	0	0	0
CE 3513	HYDRAULICS (H)	4	2	1	2	4	0	0	0	0	0	0
CE 3515	HYDROLOGY (H)	4	0	0	2	2	0	0	0	0	0	1
CE 3502	INTR. TO STRUCTURAL DYNAMICS (S)	4	0	3	0	4	0	0	0	0	0	4
CE 3504	FOUNDATION ENGINEERING I (G)	4	0	3	2	4	2	0	0	0	0	0
CE 3506	INTR. TO COASTAL ENGINEERING (H)	4	0	0	1	2	0	0	0	0	0	2
CE 3508	REINFORCED CONCRETE II (S)	4	0	4	3	4	0	0	0	0	0	4
CE 3510	SURVEYING (T)	4	4	0	4	0	0	4	0	2	0	0
CE 3512	INTR. TO SOIL DYN & E.QUAKE ENG (G)	4	1	0	2	4	0	0	0	0	0	3
CE 3514	TRANSPORTATION ENGINEERING II (T)	4	4	0	3	0	0	4	0	0	0	0
CE 3516	WATER RESOURCES ENGINEERING (H)	4	0	0	2	4	2	0	1	0	0	0
CE 4000	SUMMER PRACTICE II (30 WORKDAYS)	2	1	3	4	3	2	4	3	3	3	2
CE 4001	CIVIL ENGINEERING DESIGN	4	2	4	4	4	3	3	2	4	1	3
CE 4501	FUNDAMENTALS OF STEEL DESIGN (S)	4	0	3	2	3	0	0	0	0	0	0
CE 4503	ADV. MECHANICS OF MATERIALS (S)	4	0	0	0	4	0	0	0	0	0	0
CE 4505	INTR. TO FINITE ELEMENTS METHOD (S)	4	0	0	0	4	0	0	0	0	0	4
CE 4507	CIVIL ENGG SYSTEM ANALYSIS (S)	4	0	4	0	4	0	0	0	0	0	0
CE 4509	EARTH STRUCTURES (G)	4	0	4	0	0	0	0	0	0	0	2
CE 4511	ADVANCED STRUCTURAL ANALYSIS (S)	4	0	4	2	4	0	0	0	0	0	4
CE 45 13	GEOGRAPHICAL INFORM. SYSTEMS (H)	2	4	0	4	0	0	0	3	0	0	4
CE 4515	WATER SUPPLY & SEWERAGE ENGG (H)	4	0	0	3	4	2	0	4	0	0	0
CE 4517	PROJECT MANAGEMENT (S)	0	0	4	3	4	0	0	0	3	4	0
CE 4519	CONCRETE MAKING MATERIALS (S)	0	4	3	0	0	2	0	2	0	0	0
CE 4521	FOUNDATION ENGINEERING II (G)	4	0	4	3	4	0	0	0	0	0	3
CE 4523	GEOTECH. EARTHQUAKE ENG (G)	4	0	0	3	4	3	0	0	0	0	3
CE 4527	COASTAL ZONE MANAGEMENT (H)	2	0	0	0	0	0	0	4	3	4	4
CE 4529	PAVEMENT DESIGN (T)	4	3	3	2	0	0	0	0	0	0	0
CE 4531	TRANSPORTATION PLANING (T)	4	2	1	3	2	0	0	0	0	0	0
CE 4533	INT. TO ENGINEERING SEISMOLOGY (S)	4	0	0	3	0	3	1	0	0	0	2
CE 4535	INT. TO EARTHQUAKE ENGINEERING (S)	4	2	4	0	4	0	0	0	0	0	4
CE 4539	COMPUTER APPLICATIONS IN HYDRAULICS (H)	2	0	4	4	4	0	0	0	0	0	2
CE 4002	CIVIL ENGINEERING ELECTIVE DESIGN	4	2	4	4	4	3	3	2	4	1	3
CE 4502	STRUCT. DESIGN: CONC.STRUCTURES (S)	4	3	4	2	3	0	0	0	0	0	0
CE 4504	DESIGN OF TALL BUILDING STRUCTURES (S)	4	4	0	4	2	0	0	0	0	0	3
CE 4506	IRRIGATION AND DRAINAGE (H)	4	0	0	3	4	0	0	4	0	0	0
CE 4508	GROUND IMPROVEMENT (G)	4	0	1	0	4	0	0	2	0	0	2
CE 4510	EARTHQUAKE RESISTANT DESIGN OF STEEL STRUCTURES (S)	4	0	4	0	3	3	0	0	0	0	3
CE 4512	COMPUTER APPLICATIONS IN STRUCTURAL ENGINEERING (S)	4	0	3	2	4	0	0	0	0	0	4
CE 4516	CONSTRUCTION ENGINEERING&MANAGEMENT(M)	0	0	4	3	4	0	0	0	3	4	0
CE 4518	COMPUTER APPLICATIONS IN FOUNDATION ENGINEERING (G)	4	0	3	2	4	0	0	0	0	0	4
CE 4520	SLOPE STABILITY (G)	4	0	2	0	4	2	0	0	0	0	3
CE 4522	NONDESTRUCTIVE TESTING METHODS (S)	0	4	2	0	1	2	0	0	0	0	4
CE 4524	PROPERTIES OF FRESH AND HARDENED CONCRETE (S)	0	4	3	0	0	3	0	3	0	0	0
CE 4526	PORT PLANNING AND DESIGN (H)	4	0	4	0	4	0	0	3	0	3	0
CE 4528	RAILWAY ENGINEERING (T)	3	0	0	2	0	0	0	0	2	0	0