

YASAR UNIVERSITY
CIVIL ENGINEERING DEPARTMENT
AREA ELECTIVE COURSES

CIVIL ENGINEERING AREA ELECTIVES			
(At least three of the four area elective courses should be selected from this list)			
CODE	COURSE NAME	PREREQUISITE (At least have obtained a letter grade of D)	
CE 4401	Structural Design: Reinforced Concrete	CE 3302	Reinforced Concrete Design
CE 4402	Hydrology	NA	NA
CE 4403	Introduction to Coastal Hydraulics	CE 2206	Fluid Mechanics
CE 4404	Structural Design: Steel Structures	CE 3304	Fundamentals of Structural Steel Design
CE 4405	Computer Applications in Structural Engineering	CE 3301	Introduction To Structural Analysis
CE 4406	Advanced Structural Analysis	CE 3301	Introduction To Structural Analysis
CE 4407	Matrix Analysis	CE 3301	Introduction To Structural Analysis
CE 4408	Structural Dynamics	NA	NA
CE 4409	Introduction to Geotechnical Engineering	CE 3305	Soil Mechanics
CE 4410	Introduction to Earthquake Engineering	NA	NA
CE 4411	Earthquake Resistant Design of Structures	NA	NA
CE 4412	Water Resources	NA	NA
CE 4810	Special Topics	NA	NA

ENGINEERING FACULTY AREA ELECTIVES DEFINED FOR CIVIL ENGINEERING STUDENTS			
(One out of four area elective courses can be selected form this list)			
CODE	COURSE NAME	PREREQUISITE (At least have obtained a letter grade of D)	
COMP 4316	Computer Architecture	NA	NA
COMP 4431	Computer Graphics		
COMP 4436	Artificial Intelligence	NA	NA
COMP 4437	Artificial Neural Networks	NA	NA
COMP 4438	Mobile and Wireless Networks	NA	NA
COMP 4441	Cyber Security	NA	NA
COMP 4316	Computer Architecture	NA	NA
EEE 4122	Industrial Automation	NA	NA
EEE 4540	Image and Video Processing	NA	NA
EEE 4554	Wireless Communication	NA	NA
EEE 4745	Process Control	EEE 3716	
EEE 4661	High Voltage Systems	NA	NA
IE 4466	Design of Engineering Experiments	NA	NA
IE 4472	Sustainable Systems Engineering	NA	NA
IE 4433	Case Studies in Operations Research	NA	NA
SE 4481	Mobile Software Development	NA	NA