

CIVIL ENGINEERING DEPARTMENT
Planned Rotation of Undergraduate Core Courses

5/21/14 BW

Core courses		FALL			SPRING			Notes
		Cr	Hrs	Freq	Cr	Hrs	Freq	
CE 20900	Structural and Site Plans	3	4		3	4		
CE 23100	Introduction to Structural Mechanics	3	3		3	3		
CE 26400	CE Data Analysis	3	5		3	5		

CE 31600	CE Decision and Systems Analysis				3	3		1
CE 32600	Transportation Planning	3	3					
CE 32700	Transportation Systems Engineering				3	3		
CE 33200	Mechanics of Deformable Bodies	4	5		4	5		
CE 33500	Numerical & Computational Methods in CE	3	5		3	5		
CE 34000	Structural Analysis	3	5		3	5		
CE 34500	Soil Mechanics	3	5		3	5		
CE 35000	Fluid Mechanics	3	3		3	3		
CE 36500	Hydrology & Hydraulic Engineering	3	5	2	3	5	1	2
CE 37200	Environmental Impact Assessment	3	3		3	3		

CE 40100	Review of Engineering Fundamentals				1	3		3
CE 40500	Civil Engineering Management	3	3					1
CE 43500	Dynamics of CE Systems	3	3					
CE 44100	Reinforced Concrete	3	5		3	5		
CE 47400	Environmental Engineering	3	5	1	3	5	2	2

CE 50900	Senior Design Project	3	5		3	5		
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Specialization courses

CE 44000	Finite Elements Analysis of Structures				3	3		
CE 44200	Structural Design	3	5					
	Structural elective	3	3		3	3		4

CE 56600	Engineering Hydrology				3	3		
CE 58300	Solid Waste Management (even years)	3	5					5
CE 58400	Air Pollution and Control (odd years)	3	5					5
	Environmental or water resources elective	3	3		3	3		4

CE 52000	Traffic Engineering	3	3					
CE 54000	Highway Engineering				3	3		
	Transportation elective	3	3		3	3		4

Notes

- 1 Starting in Fall 2015, these semesters will flip; to ease the shift, both will be offered in Fall 2015
- 2 ESE students have priority for the second section offered during the semesters with 2 sections
- 3 10 week course OR pass the FE exam
- 4 These classes rotate on a one or two year cycle
- 5 These classes rotate on two year cycle