

# Undergraduate/Dual Level CEE Electives

## 2007-2008

\*\*\*\* Yellow highlighted boxes indicate that the course is not taught that academic year

**NOTE: This is a DRAFT and is SUBJECT TO CHANGE**

<b>Construction</b>		<b>A</b>	<b>W</b>	<b>S</b>	<b>U</b>
CEE 603	Management of Engineering Practice				
CEE 670	Construction Equipment & Planning				
CEE 677	CEE Economics	X			
CEE 678	Intro to Lean Construction		X		
CEE 679	Construction Project Mangement	X			
CEE 680	Construction Planning & Scheduling		X		
CEE 684	Const. Oper. Analysis				
CEE 685	Computer Application in Construction				
CEE 686	Intro to Digital Prototyping			X	
CEE 687	Law of Engineers				
CEE 698	Construction Safety & Health			X	
<b>Geotechnical</b>		<b>A</b>	<b>W</b>	<b>S</b>	<b>U</b>
CEE 607	Pavement Design	X			
CEE 628	Seepage				
CEE 629	Lateral Earth Pressure				
CEE 631	Asphalt Pavement Technology				
CEE 633	Mechanistic Principles of Pavement			X	
CEE 634	Soil Dynamics				
CEE 637	Soil-Structure Interaction				
CEE 638	Soil Dynamics				
CEE 681	Foundation Engrg I.	X			
GEOL 504	Geomorphic Processes			X	
GEOL 551	Groundwater Ecology				
GEOL 574	Glacial Geology	X			
GEOL 631	Clay Minerology		X		
<b>Structural</b>		<b>A</b>	<b>W</b>	<b>S</b>	<b>U</b>
CEE 481	Structural Steel		X		
CEE 482	Reinforced Concrete	X			X
CEE 583	Structual Loads & Systems		X		
CEE 584	Wood/ Masonry		X		
CEE 585	Advanced Analysis of Structures	X			
CEE 611	Advanced Strength of Materials	X			
CEE 620	Steel Bridge Engineering			X	
CEE 621	Concrete Bridge Engineering				
CEE 682	Foundation Engrg. II			X	
CEE 683	Prestressed Concrete				
CEE 688	Matrix Analysis of Structures			X	

<b>Transportation</b>		<b>A</b>	<b>W</b>	<b>S</b>	<b>U</b>
CEE 604	Highway Engineering		X		
CEE 605	Transportation Demand Forecasting I			X	
CEE 606	Traffic Engineering	X			
CEE 608	Transportation Systems Evaluation			X	
CEE 609	Mass Transit Engineering & Operation				
CEE 610	Computers in Transportation	X			
CEE 612	Transportation Demand Forecasting II				
CEE 613	Computers Aided Pavement Design				
CEE 622	Traffic Signal Design				
<b>Environmental</b>		<b>A</b>	<b>W</b>	<b>S</b>	<b>U</b>
CEE 397H	Env'l Challenges in Modern India	X			
CEE 471	Intro to Environmental Engineering	X			X
CEE 472	Environmental Chemistry & Microbiology				
CEE 542	Water & Wastewater Treatment				
CEE 543	Hydrology		X		
CEE 600	Environmental Chemistry & Microbiology	X			
CEE 601	Env. Chem & Microbiology Lab	X			
CEE 602	Environmental Transport Processes				
CEE 614	Solid Waste Management		X		
CEE 619	Molecular Biology		X		
CEE 626	Water Distribution Systems Analysis			X	
CEE 627	Math. Principles of Env. Systems		X		
CEE 644	Env. Conscious Engineering			X	
CEE 646	Bio. & Microbiol. Principles of Envir. Systems				
CEE 647	Chemical Principles of Environmental Systems	X			
CEE 649	Intoduction to SUE		X		
CEE 652	Advance Topcs in Env'l Water Chemistry		X		
CEE 653	Physical Principles of Environmental Systems	X			
CEE 654	Phy./Chem. Process for Water Quality			X	
CEE 655	Biological Principles of Water Quality Control		X		
CEE 658	Environmental Instrumentation			X	
CEE 659	Unit Operations Lab & Process Monitoring			X	
CEE 662	Atmosphere Chemistry & Monitoring				
CEE 664	Air Resources Management		X		
CEE 665	Principles of Combustion				
CEE 671	Aerosol Science & Engineering		X		
CEE 672	Design of Particulate Control Systems			X	
CEE 673	Diffusion & Mass Transfer in Env. Systems				

CEE 674	Design of Gaseous Pollution Control Systems			X	
CEE 693	Environmental Hydraulics			X	
CEE 69X					
CEE 699	Natural Treatment Systems				
GEOL 601	Environmental Geology of Aquifer Systems				
GEOL 602	Wellhead Protection				
GEOL 603	Geochemistry of Natural Waters				

Last Updated 11/5/07