

CEE Course schedule for the 2012-2013 Academic Year

Course Number	Course Title	Fall 2012	Winter 2013	Spring 2013
CIV_ENV 201-0	Earth: A Habitable Planet-- offered jointly with ENVR_SCI 201-0			2:00-3:20 T Th Beddows
CIV_ENV 202-0	Health of the Biosphere Discussion section required-- offered jointly with ENVR_SCI 202-0		12:30-1:50 T Th TBD Walsh	
CIV_ENV 203-0	Energy/Environment: The Automobile Discussion section required-- offered jointly with ENVR_SCI 203-0	2:00-3:20 TTh 9:30-11:00 Th Blair		
CIV_ENV 216-0	Mechanics of Materials I Lab section required No P/N	11-11:50 MTWF Qu Enroll cap 50	11-11:50 MTWF Rudnicki Enroll cap 50	11-11:50 MTWF Gdoutos Enroll cap 50
	Lab Section	1-2:50 T		
	Lab Section	3-4:50 Th		
	Lab Section	3-4:50 T		
	Lab Section		3-4:50 Th	
	Lab Section		9-10:50 Th	
	Lab Section		1-2:50 Th	
	Lab Section		11-12:50 Th	
	Lab Section			3-4:50 T
	Lab Section			3-4:50 Th
	Lab Section			9-10:50 Th
CIV_ENV 221-0	Theory of Structures I Lab section required No P/N	9-9:50 MWF 9:30-10:50 Th Chou		
CIV_ENV 250-0	Introductory Soil Mechanics Lab section required No P/N	10-10:50 MWF 6-8:50 W Dowding		
CIV_ENV 260-0	Fund of Environmental Engrg Lab section required No P/N			9-9:50 MWF Aubeneau Sec 60 lab 2- 3:50 M (1 st 5 wks) Sec 61 lab 4: 00- 5:50 M (2 nd 5 wks)
CIV_ENV 301-1	Professional Devel Seminar (CEE Seniors only). Winter grade is a "K" (continuing). Spring results in conversion of Winter's "K" to a S/U and Spring S/U.		3-4:50 Fridays Corr	
CIV_ENV 301-2	Professional Devel Seminar (CEE Seniors only). Winter grade is a "K" (continuing). Spring results in conversion of Winter's "K" to a S/U and Spring S/U.			4-5:50 Mon Chou
CIV_ENV 302-0	Engineering Law			3:30-5:20 T Th Krzek/Gattari
CIV_ENV 303-0	Environmental Law and Policy -- by permission number	3:30-6:20 Th Harley		
CIV_ENV 304-0	Civil and Environmental Engrg Systems Analysis			9:30-10:50 T Th Durango-Cohen
CIV_ENV 306-0	Uncertainty Analysis In Civil Engrg No P/N	12-12:50 MWF 9-9:50 on Tues Clark		
CIV_ENV 314-0	Organic Geochemistry		9:30-10:50 T Th Blair	
CIV_ENV 319-	Theory of Struct II Discussion		12:00-1:50 MW	

0	Section Required		12:30-1:50 T Chou	
CIV_ENV_320-0	Structural Analysis-Dynamics Computer Lab Section required	1-1:50 MWF 9:30-10:50 Tu Corr		
CIV_ENV_323-0	Structural Steel Design Lab Section required			9:30-10:50 TTh 8:00-9:50 W Chou
CIV_ENV_325-0	Reinforced Concrete Discussion Section required		9-9:50 MWF 11-12:20 Tues Corr	
CIV_ENV_330-0	Construction Management Sec 01, Jr/Sr only-NO P/N Sec 02, MPM/Grads only	4-5:50 MWF Tilghman/Krizek Robideau/Maguire/ Krizek		
CIV_ENV_332-0	Building Construction Estimating Prereq: CIV_ENV 503 in Winter Quarter, or permission of Prof Krizek (rikrizek@northwestern.edu)			4-5:50 MW Krizek/Tilghman/ Higgins
CIV_ENV_336-0	Project Scheduling Permission number from a-hadavi@northwestern.edu		6:30-9:20 W + 1 hr Lab TBA Hadavi	
CIV_ENV_340-0	Fluid Mechanics II Lab section required No P/N			10-10:50 MWF Clark Sec 60 lab 2-3:50 M (2 nd 5 wks) Sec 61 lab 4:00-5:50 M (1 st 5 wks)
CIV_ENV_352-0	Foundation Engineering		5:00-7:50 Mondays Holman	
CIV_ENV_361-1	Environmental Microbiology	11:00-12:20 T Th Marcelino		
CIV_ENV_361-2	Public and Environmental Health		8-9:50 Mon 11-12:20 Tues Saks	
CIV_ENV_363-0	Environmental Engrg Apps I: Air & Land	1-1:50 MWF Rao		
CIV_ENV_364-0	Environmental Engrg Apps II: Water Discussion section req No P/N		4-5:50 MW Rao	
CIV_ENV_365-0	Environmental Lab Sec 20--Undergraduates Sec 21--Graduates		Sec 20 1-5:50 T Wang Sec 21 1-5:50 Th Gaillard	
CIV_ENV_367-0	Aquatic Chemistry Discussion sec required No P/N	10-10:50 MWF 12:30-1:50 Th Gaillard		
CIV_ENV_371-0	Intro Transportation Planning and Analysis Discussion section required No P/N	2-3:50 MW 2-4 F Schofer		
CIV_ENV_376-0	Transp Systems Operations	8-9:50 MW Nie		
CIV_ENV_382-0	Capstone Design Discussion section required CivEnv Seniors only			12:30-1:50 T Th 6-7:20 Th Disc Dowding/Corr/Rao
CIV_ENV_385-1	Architectural Engrg & Design I: Fundamentals (Engineering Jrs/Srs only) (FORD SB325) Max enroll 15 with permission number	4-5:50 T Th Booth		
CIV_ENV_385-2	Architectural Engrg & Design II: Intermediate (Engineering Jrs/Srs only;		4-5:50 T Th Booth	

	AED I or permission of instructor) (FORD SB325) Max enroll 15 with permission number			
CIV_ENV 385-3	Architectural Engrg & Design III: Advanced (Engineering Jrs/Srs only; AED II or permission of instructor) (FORD SB325) Max enroll 15 with permission number			4-5: 50 T Th Booth
CIV_ENV 395-0	UGrad – Experimental Courses Selected Topics			
	** Section 23 – SPRING Environmental Justice: Environmental Protection and Social Equity			3: 30-6: 20 M Harley
CIV_ENV 399-0	Projects—Undergraduate-level INDIVIDUAL INSTRUCTOR SECTIONS / Permission of instructor & permission number Must complete an application; Projects are for Letter Grades only.			
CIV_ENV 413-0	Experimental Solid Mechanics	2-3: 20 T Th Daniel		
CIV_ENV 414-1	Mechanics of Composite Materials I		2-3: 20 T Th Daniel	
CIV_ENV 414-2	Mechanics of Composite Materials II			2-3: 20 T Th Daniel
CIV_ENV 415-0	Theory of Elasticity		8:00-9: 30 T Th Qu	
CIV_ENV 417-1	Mechanics of Continua I	10-10: 50 MWF Rudnicki		
CIV_ENV 421-0	Prestressed Concrete			2-3: 50 MW Cusatis
PROJ_MGT 421-0	Principles of Project Management (.50 credit)	6: 30-8: 20 T Krzek/Kaplanoglu		
PROJ_MGT 423-0	Business Development in the Built Environment (1 credit)	9-12: 20 Sat Krzek/Benish		
CIV_ENV 425	Behavior of Reinforced Concrete			MW 6-7: 50pm D'Ambrosia
CIV_ENV 426-1	Advanced Finite Element Methods I		T Th 3: 30-4: 50 Belytschko	
CIV_ENV 426-1	Advanced Finite Element Methods II			T Th 9: 30-10: 50 Liu
PROJ_MGT 427-0	Real Estate Development (.50 credit)			4: 00-5: 50 Th Krzek/Porter
PROJ_MGT 429-0	Program Management (.50 credit)			4-5: 50 T Krzek/Crowell
CIV_ENV 430	Cohesive Fracture and Scaling		2-3: 50 MWF Bazant	
PROJ_MGT 431-0	Construction Business Strategy (.50 credit) P/N grading only			6: 30 - 8: 20 T Krzek/Tilghman
PROJ_MGT 433-0	International Construction (.50 credit)		4-5: 50pm Th Krzek/Stogdill	
CIV_ENV 435-0	Cost Engineering and Control			6: 30-9: 20 M Hadavi
CIV_ENV 436-0	Constr Contracts/Dispute Resolution		6: 30-9: 20 M Krzek/Eichorn	
PROJ_MGT 437-0	Heavy Construction Estimating (.50 credit)		4-6 M Krzek/Kenny	
CIV_ENV 440-0	Environ Transport Processes	9: 30-10: 50 T Th 12: 30-1: 50 T Lab Packman		
PROJ_MGT 441-0	Sustainability in Construction (.50 credit)		4-5: 50 T Hadavi	

CIV_ENV 444-0	Physical/Chemical Processes In Environmental Control		2-3:50 MW Clark	
CIV_ENV 448-0	Biophysicochemical Processes in Environmental Systems			9-9:50 MWF Gaillard
CIV_ENV 450-1	Soil Mechanics I	8-9:50 MW Finno		
CIV_ENV 451	Engineering Properties of Soils		8-9:50 MW Finno	
CIV_ENV 453	Rock Mechanics	2-3:50 MW Dowding		
PROJ_MGT 451-0	Information Technology for Construction (.50 credit)	6:30-8:20 Th Hadavi/Burger		
PROJ_MGT 453-0	E-Business in Construction (.50 credit) McC Engg Grad		6:30- 8:30 Th Hadavi/Kaplanoglu/ Jurewicz	
PROJ_MGT 455-0	Computer-Integrated Project Delivery (.50 credit)			6:30-8:20 Th Hadavi/Fallon
CIV_ENV 471-1	Transp Systems Analysis I		8-9:50 MW Nie	
CIV_ENV 471-2	Transp Systems Analysis II			2-3:50 M W Nie
CIV_ENV 472-1	Transportation System Operations and Control I: Urban Networks			4-5:50 MW Mahmassani
CIV_ENV 472-2	Transportation System Operations and Control II: Scheduled Modes and Real-time Systems		4-5:50 MW Mahmassani	
CIV_ENV 479-0	Transp Systems Planning and Management Discussion section required	2-3:50 MW 2-4 F Schofer		
CIV_ENV 480-1	Travel Demand Analysis and Forecasting I		2-3:50 MWF A. Frei	
CIV_ENV 482-0	Evaluation and Decision-making for Infrastructure Sys Discussion section required			2-3:20 T Th 2-4 F Schofer
CIV_ENV 483-0	Infrastructure Systems Analysis Discussion section required		9:30-10:50 T Th Durango-Cohen Disc 10-10:50 F	
CIV_ENV 495-0	Grad – Experimental Courses Selected Topics			
	**Sec 22--WINTER / Geotechnical Earthquake Engineering		4-7:50 Tuesdays Popescu	
	** Sec 23 --WINTER/ Plates and Shells		11-12:20 T Th Cusatis	
	**Sec 22--SPRING / Failure/Instability in Geomaterials			12:30-1:50 TTh Buscarnera
	** Sec 24 --SPRING / Environmental Organic Chemistry			9:30-10:50 TTh Wang
	**Sec 25--SPRING / Chemical and Biological Complexities in Water Environment		4:00-5:50 MW Wang	
	**Sec 26—SPRING / Structural Systems and Optimization			6-7:50 TTh Beghini
	**Sec 27--SPRING / Geotechnical Case Studies			8-9:50 MW Finno
	**Sec 28--SPRING / LRFD in Geotechnical Engineering			M 5:30-8:30pm Sabatini
	**Sec 29--SPRING / Computational Nanodynamics			T Th 12:30-1:50 Keten

	**Sec 30--SPRING / Global and Ecological Health Engineering Design			W 3-5pm Gray
CIV_ENV 499-0	Projects – Graduate level INDIVIDUAL INSTRUCTOR SECTIONS / Permission of instructor & permission number			
CIV_ENV 503-0	Materials and Methods In Construction Seminar -- This is the Prereq if you are planning on taking CIV_ENV 332 in Spring Quarter, or permission of Prof Krizek		4-5:50 W Krizek/Benhart	
CIV_ENV 512-1,2,3	Structural Engineering and Mechanics Seminar	12-12:50 Tue Cusatis	12-12:50 Fri Cusatis	12-12:50 Fri Cusatis
CIV_ENV 515-1,2	Geotechnics Seminar		12-12:50 W Dowding	12-12:50 W Finno
CIV_ENV 516-1,2,3	Environmental Engrg and Science Seminar	2-3:20 F Wang	2-3:20 F Gaillard	1-2:00 F Blair
CIV_ENV 517-1,2,3	Transportation Seminar	TBA Durango-Cohen	TBA Durango-Cohen	TBA Durango-Cohen
CIV_ENV 519-0	Responsible Conduct in Research Training (RCR)		Th 6-8pm Mosely-Goren 1/10/13 and 1/24/13	Th 6-8pm Mosely-Goren 4/4/13 and 4/18/13
CIV_ENV 533-1,2,3	Project Management Seminar	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi
CIV_ENG 590-0	Research Units (PhD) INDIVIDUAL INSTRUCTOR SECTIONS / Permission of instructor & permission number			
GEN_ENG 220-1, 2	Analytic and Computer Graphics AutoCAD 1. Must have permission number. 2. Winter Q has a "K" (continuing) grade; Spring converts Winter's "K" to a Pass/No Pass and a Spring Grade of Pass/No Pass. 3. Final Grade will be on a mandatory P/N only basis at the end of the 2-quarter period. For questions, email Prof Charles Dowding at (c-dowding@northwestern.edu).		6:30-9pm Wed +1.5hr Lab/Tutorial TBA W. Bielski	6:30-9pm Wed +1.5hr Lab/Tutorial TBA W. Bielski