

CivEnv Course schedule for the 2011-2012 Academic Year

Course Number	Course Title	Fall 2011	Winter 2012	Spring 2012
CIV_ENV 201-0	Earth: A Habitable Planet -- class offered jointly with ENVR_SCI 201-0			2:00-3:20 T Th Axford
CIV_ENV 202-0	Health of the Biosphere Discussion section required --course offered jointly with ENVR_SCI 202-0		12:30-1:50 T Th TBD Walsh	
CIV_ENV 203-0	Energy and the Environment: The Automobile Discussion section required --course offered jointly with ENVR_SCI 203-0	9:30-10:50 T Th 11:00-12:20 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 Corr		
CIV_ENV	Introductory Soil Mechanics Lab section required	10-10:50 MWF 6-8:50 W		

250-0	No P/N	Dowding		
CIV_ENV 260-0	Fund of Environmental Engrg Lab section required No P/N			2-3:50 MW Sec 60 Lab 2-3:20 T (3/26/12-4/24/12) Sec 61 Lab 3:30-4:50 T (4/30/12-6/2/12) Packman
CIV_ENV 301-1	Professional Development Seminar (for CEE Seniors only). Winter grade is a "K" (continuing). Spring results in conversion of Winter's "K" to a S/U and a Spring Grade of S/U.		4-5:50 Mon Chou	
CIV_ENV 301-2	Professional Development Seminar (for CEE Seniors only). Winter grade is a "K" (continuing). Spring results in conversion of Winter's "K" to a S/U and a Spring Grade of S/U.		4-5:50 Mon Chou	
CIV_ENV 302-0	Engineering Law			3:30-5:20 T Th Krizek/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			11-12:20 T Th Durango-Cohen
CIV_ENV 306-0	Uncertainty Analysis In Civil Engrg No P/N	12-12:50 MTWF Clark		
CIV_ENV 314-0	Organic Geochemistry		9:30-11:50 T Th Blair	
CIV_ENV 319-0	Theory of Structures II Discussion Section Required		12:30-1:50 MW 12:30- 1:50 Tues Rossow	

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 M Chou
CIV_ENV 325-0	Reinforced Concrete Discussion Section required		9-9:50 MWF 9:30-10:50 Tues Corr	
CIV_ENV 327-0	Finite Element Methods in Mechancis	2- 3:20 T Th Liu		
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 (rjkrizek@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 Sec 60 Lab 2-3:20 T (4/30/12-6/2/12) Sec 61 Lab 3:30-4:50 T (3/26/12-4/24/12) Clark
CIV_ENV 355-0	Engineering Aspects of Groundwater Flow		2-3:50 M W Dowding	
CIV_ENV 361-1	Environmental Microbiology	2:00 -3:20 T Th Marcelino		

CIV ENV 361-2	Public and Environmental Health		11-12:20 T Th Marcelino	
CIV ENV 363-0	Environmental Engrg Apps I: Air & Land	1-1:50 MWF Kalscheur		
CIV ENV 364-0	Environmental Engrg Apps II: Water Discussion section required No P/N		1-1:50 MWF 2-2:50 Th Kalscheur	
CIV ENV 365-0	Environmental Laboratory Sec 20--Undergraduates Sec 21—Graduates		1-5:50 T Wang and Gaillard	
CIV ENV 367-0	Aquatic Chemistry Discussion section required No P/N	10-10:50 MWF 12:30-1:50 Th Gaillard		
CIV ENV 368-0	Sustainability: Issues and Actions, Near and Far	3:30-6:20 T Gray		
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/Chou/Kalscheur
CIV ENV 385-1	Architectural Engrg & Design I: Fundamentals (Engineering Jrs/Srs only or permission of instructor) (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; AED I or permission of instructor)		4-5:50 T Th Booth	

	(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 21 – FALL Underground Construction	2:00-3:50 MW Finno		
	** Section 23 – SPRING Environmental Justice: Environmental Protection and Social Equity			3:30-6:20 Mondays Harley
CIV_ENV 398-1,2	Community-Based Design -1,2 “K” grade in Winter Q (continuing). Letter grade after completion of Spring Q. Permission of instructor & permission number		398-1, 3:30-4:50 Fri Gray	398-2, 3:30-4:50 Fri Gray
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	Theory of Elasticity		8:00-9:30 T Th	

415-0			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 Krizek/Kaplanoglu		
CIV_ENV 422-0	Inelastic Analysis of Structures		2-3:50 Bazant	
PROJ_MGT 423-0	Business Development in the Built Environment (1 credit)	9-12:20 Sat Krizek/Benish		
CIV_ENV 424-0	Stability of Structures			4-5:50 MWF Bazant
CIV_ENV 426-1	Advanced Finite Element Methods I		3:30-4:50 T Th Belytschko	
CIV_ENV 426-2	Advanced Finite Element Methods II			11-11:50 MWF Liu
PROJ_MGT 427-0	Real Estate Development (.50 credit)			4:00-5:50 Th Krizek/Porter
PROJ_MGT 429-0	Program Management (.50 credit)			4-5:50 T Krizek/Crowell
PROJ_MGT 431-0	Construction Business Strategy (.50 credit) P/N grading only			6:30 - 8:20 T Krizek/Tilghman
PROJ_MGT 433-0	International Construction (.50 credit)		4-5:50pm Th Krizek/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 Krizek/Eichorn	
PROJ_MGT	Heavy Construction Estimating (.50)		4-6 M	

437-0	credit)		Krizek/Kenny	
CIV_ENV 440-0	Environ Transport Processes	9:30-10:50 T Th TBA 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 447-0	Biogeochemistry Combined with EARTH 317			3:30-4:50 T Th Blair
CIV_ENV 448-0	Biophysicochemical Processes in Environmental Systems			2-3:20 T Th Packman
CIV_ENV 450-2	Soil Mechanics II	8-9:50 MW Finno		
CIV_ENV 450-3	Soil Mechanics III		8-9:50 MW Finno	
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 468-0	Chemical Speciation of Aquatic Systems			9:30-10:50 T Th Gaillard
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		4-5:50pm Mahmassani	

CIV_ENV 472-2	Transportation System Operations and Control II: Scheduled Modes and Real-time Systems			5-6:50pm M W 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 Newman	
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 Disc Friday 10-10:50 Durango-Cohen	
CIV_ENV 495-0	Grad – Experimental Courses Selected Topics			
	**Sec 20--WINTER / STRUCTURES CAPSTONE 1 for SEIM MS students		4:00-5:50 M W Chou	
	**Sec 21--WINTER / Advanced Theories of Traffic Flow		4:00-5:50 M W Mahmassani	
	**Sec 20--SPRING / STRUCTURES CAPSTONE 2 for SEIM MS students			4:00-5:50 M W Chou
	**Sec 21--SPRING / Plates and Shells			4:00-5:50 TTh Cusatis
	**Sec 22--SPRING / Environmental Geomechanics			12:30-1:50 TTh Buscarnera
	**Sec 23--SPRING / TBD			Mahmassani
	**Sec 24--SPRING / Environmental Organic Chemistry			11:00-12:20 TTh Wang
	**Sec 25--SPRING / Chemical and Biological Complexities in Water Environment			2:00-3:50 MW Wang
	**Sec 26--SPRING / Structural			6-7:50 T Th

	Systems and Optimization			Beghini
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	11-12:20 Th Bazant	11-12:20 Th Cusatis	11-12:20 Th 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 Packman	2-3:20 F Gaillard
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		Th 6-8pm Mosely-Goren 1/19/12 and 2/9/12	Th 6-8pm Mosely -Goren 4/19/12 and 5/3/12
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 results in a “K” (continuing) grade; Spring results in conversion of Winter’s “K” to a		6:30-9pm Wed +1.5hr Lab/Tutorial TBA W. Bielski	6:30-9pm Wed +1.5hr Lab/Tutorial TBA W. Bielski

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).