

CIV_ENV class schedule for the 2019-2020 Academic Year

Course #	Course Title	Fall 2019	Winter 2020	Spring 2020
<u>CIV_ENV 195-0</u>	UGRD – Experimental Courses / Selected Topics **Sec 20—FALL Intro to CEE (0 units)	5-5:50 W Corr		
<u>CIV_ENV 201</u>	Engineering Possibilities: Decision Science in the Age of Smart Technologies			1:00-1:50 MWF Stathopoulos
<u>CIV_ENV 202</u>	Biology & Ecological Principles	11:00-11:50 MWF Hartmann		
<u>CIV_ENV 203</u>	Earth in the Anthropocene			10:00-10:50 MWF Blair
<u>CIV_ENV 205</u>	Economics & Finance for Engineers	3:30-4:50 TTh Durango-Cohen		3:00-4:20 MW Staff
	Discussion	4:00-4:50 W		11:00 – 11:50 T
	Discussion	12:00-12:50 W		4:00-4:50 T
<u>CIV_ENV 216-0</u>	Mechanics of Materials I Lab section required No P/N	11-11:50 MTWF Alarcon 216 (enroll cap 50) Joint offering in Fall, Wtr, & Spg with BMD_ENG 271 (enroll cap 50) = 100	11-11:50 MTWF Rudnicki 216 (enroll cap 50) Joint offering in Fall, Wtr, & Spg with BMD_ENG 271 (enroll cap 50) = 100	11-11:50 MTWF Alarcon 216 enroll cap 60, Joint offering in Fall, Wtr, & Spg with BMD_ENG 271 (enroll cap 25) = 50
	Lab Section	1-2:50 T		
	Lab Section	3-4:50 T		
	Lab Section	10-11:50 Th		
	Lab Section	3-4:50 Th		
	Lab Section		1:00-2:50 T	
	Lab Section		3:00-4:50 T	
	Lab Section		1-2:50 Th	
	Lab Section		11-12:50 Th	
	Lab Section			11-12:50 Th
	Lab Section			1 – 2:50 Th
	Lab Section			9-10:50 Th
<u>CIV_ENV 220</u>	Structural Art			12:30-1:50 TTh Corr
<u>CIV_ENV 221-0</u>	Theory of Structures I Lab section required No P/N	9-9:50 MWF 9:30-10:50 Th Corr		
<u>CIV_ENV 250-0</u>	Earth Surface Engineering Lab section required No P/N	10-10:50 MWF 6-8:50 Th Buscarnera		
<u>CIV_ENV 260-0</u>	Environmental Systems and Processes Lab section required No P/N			9-9:50 MWF Wells Sec 60 lab 2-3:50 M Sec 61 lab 4:00-5:50 M
<u>CIV_ENV 295-0</u>	* <u>Section 23</u> - Climate Change and Adaptation		10-11:50 MWF Dalrymple/ Gray	

<u>CIV_ENV 301-1</u>	Professional Devel Seminar (CEE Seniors only).		4:30-5:20M Corr/Gray	
<u>CIV_ENV 301-2</u>	Professional Development Seminar (CEE Seniors only).		3:30-4:20 M Corr/Gray	
<u>CIV_ENV 302-0</u>	Engineering Law			3:30-5:20 TTh Krizek/Rockman/Croke
<u>CIV_ENV 303-0</u>	Environmental Law and Policy	5:00-7:50 Th Harley		
<u>CIV_ENV 304-0</u>	Civil and Environmental Engrg Systems Analysis			9:30-10:50 TTh Durango-Cohen
<u>CIV_ENV 306-0</u>	Uncertainty Analysis In Civil Engrg No P/N	12-12:50 MWF 9-9:50 T Clark		
<u>CIV_ENV 317-0</u>	Biogeochemistry		9:30-10:50 TTh Blair	
<u>CIV_ENV 320-0</u>	Structural Analysis-Dynamics			1-1:50 MWF Keten
<u>CIV_ENV 321-0</u>	Properties of Concrete		4-6 MW Lab 6-7:50 M D'Ambrosia	
<u>CIV_ENV 323-0</u>	Structural Steel Design Lab Section required		1:00-1:50 MWF 2:00-3:20 T Alarcon	
<u>CIV_ENV 325-0</u>	Reinforced Concrete Discussion Section required		10-10:50 MWF 2-3:20 Th Cusatis	
<u>CIV_ENV 327-0</u> (need 100)	Finite Element Methods in Mechanics (offered jointly with MECH_ENG 327)	12:30-1:50 TTh Liu		
<u>CIV_ENV 330-0</u>	Construction Management Jr/Sr only-NO P/N	6-7:50 MW 4-5:50 F Tilghman/Krizek		
<u>CIV_ENV 332-0</u>	Building Construction Estimating Prereq: CIV_ENV 503, or permission of Krizek rjkrizek@northwestern.edu			4-5:50 MW Krizek/Tilghman/Higgins
<u>CIV_ENV 336-0</u>	Project Scheduling Permission number from a-hadavi@northwestern.edu		6:30-9:20 W Lab: M 5:00-6:00. T 3:00-4:00, 4:00-5:00, 5-5:50 W 9:30-10:30 Hadavi	
<u>CIV_ENV 340-0</u>	Hydraulics and Hydrology Lab section required No P/N			12-12:50 MWF Clark Sec 60 lab 2-3:50 M) Sec 61 lab 4:00-5:50 M
<u>CIV_ENV 346</u>	Ecohydrology			TTh 9:00-10:50 pm Packman
<u>CIV_ENV 361-1</u>	Environmental Microbiology	2-3:50 MW Marcelino		
<u>CIV_ENV 361-2</u>	Public and Environmental Health		11-12:20 TTh Marcelino	
<u>CIV_ENV 364-0</u>	Sustainable Water Systems Discussion section req No P/N		9-9:50 MWF Disc 1-1:50Th Wells	
<u>CIV_ENV 365-0</u>	Environmental Lab Sec 20 – UGRD Sect 21 - Grad		Sec 20 1-5:50 T Sec 21 1:00-5:50 Th	

<u>CIV_ENV 367-0</u>	Chemical Processes in Aquatic Systems Discussion sec required No P/N	9:00-11:50 MWF 12:30-1:50 Th Gaillard		
<u>CIV_ENV 368-0</u>	Sustainability: The City	3:30-6:20 T Gray		
<u>CIV_ENV 370</u>	Emerging Contaminants			11:00-11:50 MWF Hartmann
<u>CIV_ENV 371-0</u>	Intro Transportation Planning and Analysis Discussion section required No P/N	2-3:50 MW Schofer		
<u>CIV_ENV 376-0</u>	Transp Systems Operations	8-9:50 MW Nie		
<u>CIV_ENV 382-0</u>	Capstone Design Discussion section required CivEnv Seniors only		2:00-3:20 MW Corr/Rossabi	2:00-3:20 MW Corr/Rossabi
<u>CIV_ENV 385-1</u>	Architectural Engrg & Design I: Fundamentals (Engineering Jrs/Srs only) (meets in TECH L441) Max enroll 15 with permission number	4-5:50 TTh Cyphers/Booth		
<u>CIV_ENV 385-2</u>	Architectural Engrg & Design II: Intermediate (Engineering Jrs/Srs only; AED I or permission of instructor) (meets in TECH L441) Max enroll 15 with permission number		4-5:50 TTh Cyphers/Booth	
<u>CIV_ENV 385-3</u>	Architectural Eng & Dsgn III: Advanced (Engineering Jrs/Srs only; AED II or permission #) (meets in TECH L441) Max enroll 15			4-5:50 TTh Cyphers/Booth
<u>CIV_ENV 386</u>	High Performance Architectural Design		4- 5:50 MW Thorton Tomesseti	
<u>CIV_ENV 387</u>	Sustainable Urban Development	MW 4-5:50 Schaebel/Mozina		
<u>CIV_ENV 395-0</u>	UGrad – Experimental Courses Selected Topics			
	** <u>Section 23</u> – SPRING Energy Law & Policy			4:00-6:50 F Harley
	** <u>Section 25</u> – SPRING Water in Israel and the Middle East			2-4:50 W Packman
	** Section 26 – SPRING			TBA Staff
<u>CIV_ENV 399-0</u>	Projects—UDRD-level INDIVIDUAL INSTRUCTOR SECTIONS / Projects are for Letter Grades only.			
<u>CIV_ENV 410</u>	Plates and Shells	8:00-9:20 TTh Cusatis		
<u>CIV_ENV 414-1</u>	Mechanics of Composite Materials: 1	TTh 2:00-3:20 Lefevre		

<u>CIV_ENV 415-0</u>	Theory of Elasticity		11:00-12:20 TTh Balogun	
<u>CIV_ENV 417-1</u> needs 75	Mechanics of Continua I	10-10:50 MWF Rudnicki		
<u>CIV_ENV 419</u>	Elastic Wave Propagation			
<u>CIV_ENV 423</u>	Matrix Analysis of Structures	2-3:50 TTh Alarcon		
<u>CIV_ENV 424</u>	Stability of Structures	2-3:50 MWF Bazant		
<u>CIV_ENV 426-1</u>	Advanced Finite Element Methods 1 (offered jointly with MECH_ENG 426-1)		3:30-4:50 TTh Fleming	
<u>CIV_ENV 426-2</u>	Advanced Finite Element Methods 2 (offered jointly with MECH_ENG 426-2)			9:30-10:50 TTh Liu
<u>CIV_ENV 430</u>	Cohesive Fracture and Scaling		MWF 2:00-3:50 Bazant	
<u>CIV_ENV 435-0</u>	Cost Engineering and Control			6:30-9:20 M Hadavi
<u>CIV_ENV 436-0</u>	Constr Contracts/Dispute Resolution		6:30-9:20 M Krizek/Eichorn	
<u>CIV_ENV 440-0</u>	Environ Transport Processes	9:30-10:50 TTh 12:30-1:50 T Lab Packman		
<u>CIV_ENV 442</u>	Environmental Biotechnology for Resource Recovery			2:00-3:50 TTh Wells
<u>CIV_ENV 443</u>	Molecular Microbiology		11:00-11:50 MWF Hartmann	
<u>CIV_ENV 444-0</u>	Physical/Chemical Processes In Environmental Control		2-3:50 MW Clark	
<u>CIV_ENV 448-0</u>	Computational Chemodynamics			10-10:50 MWF Gaillard
<u>CIV_ENV 471-1</u>	Transportation System Analysis 1		8:00-9:50 MW Nie	
<u>471-2</u>	Transportation System Analysis 2			2:00-3:50 MW Nie
<u>CIV_ENV 472-1</u>	Transportation Systems Operations & Control I: Urban network			4-5:50 MW Mahmassani
<u>CIV_ENV 472-2</u>	Transportation Systems Operations & Control II: Scheduled modes and real-time systems		4-5:50 MW Mahmassani	
<u>CIV_ENV 479-0</u>	Transp Systems Planning and Management Discussion section required	2-3:50 MW 2-4 F Schofer		
<u>CIV_ENV 480-1</u>	Travel Demand Analysis and Forecasting 1		3-5:50F Staff	
<u>CIV_ENV 482-0</u>	Evaluation and Decision-making for Infrastructure Sys Discussion section required			2-3:50 TTh 2- 3:50 F Schofer
<u>CIV_ENV 483</u>	InfrastrSysAnaly		9:30-10:50 TTh DIS 10-10:50 F	

			Durango Cohen	
<u>CIV_ENV</u> <u>495-0</u>	Grad – Experimental Courses Selected Topics			
	** Sec 19 Spring Computational Geotechnics			<i>MW 10:00-11:50 Hambleton</i>
	** Sec 26 – Spring Structural Systems and Optimization			TTH 6:00-7:50 Baker and Hartz
	Sec 30 – Energy Geostructures			TBA Rotta Loria
	** Sec 32 – Spring Data Analytics for TRN			9-11:50 Th Chen
	Sect 33 – Spring TBA			TTh 4:00 – 5:50 Aristilde
	** Sec 35 Computational Plasticity and Limit Analysis		MW 8:00 – 9:50 Hambleton	
<u>CIV_ENV</u> <u>499-0</u>	Projects – Graduate level INDIVIDUAL INSTRUCTOR SECTIONS / Permission of instructor & permission number Must complete an application; Letter Grades only.			
<u>CIV_ENV</u> <u>503-0</u>	Materials and Methods In Construction Seminar -- This is the Prereq if you are planning to take CIV_ENV 332 in Spring Quarter, or permission of Prof Krizek		3-5:50 W Krizek/Benhardt	
<u>CIV_ENV</u> <u>512-1,2,3</u>	Structural Engineering and Mechanics Seminar	11:00-11:50 W Akono	11:00-11:50 W Akono	11:00-11:50 W Akono
<u>CIV_ENV</u> <u>515-1,2</u>	Geotechnics Seminar		12-12:50 W Buscarnera	12-12:50 W Finno
<u>CIV_ENV</u> <u>516-1,2,3</u>	Environmental Eng and Science Seminar	2-3:30 F Wells	2-3:20 F Gaillard	2-3:20 F Gaillard
<u>CIV_ENV</u> <u>517-1,2,3</u>	Transportation Seminar	3:30-5 Th Stathopoulos	3:30-5 Th Stathopoulos	3:30-5 Th Stathopoulos
<u>CIV_ENV</u> <u>533-1,2,3</u>	Project Management Seminar	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi
<u>CIV_ENG</u> <u>590-0</u>	Research Units (PhD) INDIVIDUAL INSTRUCTOR SECTIONS			
<u>GEN_ENG</u> <u>220-1, 2</u>	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.		6:30-8:50 W +1.5hr Lab/Tutorial Conway	6:30-8:50 W +1.5hr Lab/Tutorial Olson

Last Updated on 6/21/2023