

CIV\_ENV class schedule for the 2018-2019 Academic Year

Course #	Course Title	Fall 2018	Winter 2019	Spring 2019
<a href="#">CIV_ENV 195-0</a>	UGRD – Experimental Courses / Selected Topics **Sec 20—FALL Intro to CEE (0 units)	5-5:50 W Corr	5-5:50 W Corr	
<a href="#">CIV_ENV 201</a>	Engineering Possibilities: Decision Science in the Age of Smart Technologies		10:00-10:50 MWF Stathopoulos	
<a href="#">CIV_ENV 202</a>	Biology & Ecological Principles	11:00-11:50 MWF Hartmann		
<a href="#">CIV_ENV 203</a>	Earth in the Anthropocene			10:00-10:50 MWF Blair
<a href="#">CIV_ENV 205</a>	Economics & Finance for Engineers	3:30-4:50 TTh Staff		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
<a href="#">CIV_ENV 216-0</a>	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 Chou 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
<a href="#">CIV_ENV 220</a>	Structural Art			12:30-1:50 TTh Corr
<a href="#">CIV_ENV 221-0</a>	Theory of Structures I Lab section required No P/N	9-9:50 MWF 9:30-10:50 Th Chou		
<a href="#">CIV_ENV 250-0</a>	Earth Surface Engineering Lab section required No P/N	10-10:50 MWF 6-8:50 Th Buscarnera		
<a href="#">CIV_ENV 260-0</a>	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
<a href="#">CIV_ENV 301-1</a>	Professional Devel Seminar (CEE Seniors only).		4:30-5:20M Chou	
<a href="#">CIV_ENV 301-2</a>	Professional Development Seminar (CEE Seniors only).		3:30-4:20 M Corr	

<a href="#">CIV ENV 302-0</a>	Engineering Law			3:30-5:20 TTh Krizek/Rockman/Croke
<a href="#">CIV ENV 303-0</a>	Environmental Law and Policy	5:00-7:50 Th Harley		
<a href="#">CIV ENV 304-0</a>	Civil and Environmental Engrg Systems Analysis			9:30-10:50 TTh Durango-Cohen
<a href="#">CIV ENV 306-0</a>	Uncertainty Analysis In Civil Engrg No P/N	12-12:50 MWF 9-9:50 T Clark		
<a href="#">CIV ENV 317-0</a>	Biogeochemistry		9:30-10:50 TTh Blair	
<a href="#">CIV ENV 319-0</a>	Theory of Structures II Discussion Section required		12-1:50 MW 12:30-1:50 T Alarcon	
<a href="#">CIV ENV 320-0</a>	Structural Analysis-Dynamics Computer Lab Section required	1-1:50 MWF 9:30-10:50 Tu Keten		
<a href="#">CIV ENV 321-0</a>	Properties of Concrete		4-6 MW Lab 6-7:50 M D'Ambrosia	
<a href="#">CIV ENV 323-0</a>	Structural Steel Design Lab Section required		9:00-9:50 MWF 2:00-3:20 T Chou	
<a href="#">CIV ENV 325-0</a>	Reinforced Concrete Discussion Section required		10-10:50 MWF 2-3:20 Th Corr	
<a href="#">CIV ENV 327-0 (need 100)</a>	Finite Element Methods in Mechanics (offered jointly with MECH_ENG 327)	12:30-1:50 TTh Liu		
<a href="#">CIV ENV 330-0</a>	Construction Management Jr/Sr only-NO P/N	6-7:50 MW 4-5:50 F Tilghman/Krizek		
<a href="#">CIV ENV 332-0</a>	Building Construction Estimating Prereq: CIV_ENV 503, or permission of Krizek <a href="mailto:rjkrizek@northwestern.edu">rjkrizek@northwestern.edu</a>			4-5:50 MW Krizek/Tilghman/ Higgins
<a href="#">CIV ENV 336-0</a>	Project Scheduling Permission number from <a href="mailto:a-hadavi@northwestern.edu">a-hadavi@northwestern.edu</a>		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	
<a href="#">CIV ENV 340-0</a>	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
<a href="#">CIV ENV 346</a>	Ecohydrology			TTh 11:00-12:50 pm Packman
<a href="#">CIV ENV 352</a>	Foundation Engineering		11:00-12:20 TTh Finno	
<a href="#">CIV ENV 355</a>	Hydrogeology and Subsurface Contamination	10:00-11:50 MW Rossabi		
<a href="#">CIV ENV 361-1</a>	Environmental Microbiology	2-3:50 MW Marcelino		
<a href="#">CIV ENV 361-2</a>	Public and Environmental Health		11-12:20 TTh Marcelino	

<a href="#"><u>CIV ENV 364-0</u></a>	Sustainable Water Systems Discussion section req No P/N		9-9:50 MWF Disc 1-1:50Th Wells	
<a href="#"><u>CIV ENV 365-0</u></a>	Environmental Lab		Sec 20 1-5:50 T	
<a href="#"><u>CIV ENV 367-0</u></a>	Chemical Processes in Aquatic Systems Discussion sec required No P/N	9:00-9:50 MWF 12:30-1:50 Th Gaillard		
<a href="#"><u>CIV ENV 368-0</u></a>	Sustainability: The City	3:30-6:20 T Gray		
<a href="#"><u>CIV ENV 367</u></a>	Sustainable Urban Development		MW 4-5:50 Schabel/Mozina	
<a href="#"><u>CIV ENV 370</u></a>	Emerging Contaminants			11:00-11:50 MWF Hartmann
<a href="#"><u>CIV ENV 371-0</u></a>	Intro Transportation Planning and Analysis Discussion section required No P/N	2-3:50 MW 2-4 F Schofer		
<a href="#"><u>CIV ENV 376-0</u></a>	Transp Systems Operations	8-9:50 MW Nie		
<a href="#"><u>CIV ENV 382-0</u></a>	Capstone Design Discussion section required CivEnv Seniors only		2:00-3:20 MW Corr/Rossabi	2:00-3:20 MW Corr/Rossabi
<a href="#"><u>CIV ENV 385-1</u></a>	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		
<a href="#"><u>CIV ENV 385-2</u></a>	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	
<a href="#"><u>CIV ENV 385-3</u></a>	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
<a href="#"><u>CIV ENV 386</u></a>	High Performance Architectural Design	4- 5:50 MW Thorton Tomesseti		
<a href="#"><u>CIV ENV 395-0</u></a>	UGrad – Experimental Courses Selected Topics			
	** <a href="#"><u>Section 23</u></a> – SPRING Energy Law & Policy			4:00-6:50 W Harley
	** <a href="#"><u>Section 24</u></a> – SPRING Computational Forensics (offered jointly with MECH_ENG 395, 24)			3:30-4:50 TTh Fleming
	*** <a href="#"><u>Section 25</u></a> – SPRING <i>Water in Israel and the Middle East</i>			2-4:50 Th Packman

<a href="#"><u>CIV ENV 398-1,2</u></a>	Community-based Design 1, 2 Must have permission of instructor and permission number. "K" grade in Winter Q (continuing). Spring results in conversion of Winter's "K" to a Letter Grade		3:00-5:00 Th Gray	5-7:00 T Gray
<a href="#"><u>CIV ENV 399-0</u></a>	Projects—UDRD-level <b>INDIVIDUAL INSTRUCTOR SECTIONS</b> / Projects are for Letter Grades only.			
<a href="#"><u>CIV ENV 410</u></a>	Plates and Shells		9:30-10:50 TTh Cusatis	
<a href="#"><u>CIV ENV 414-1</u></a>	Mechanics of Composite Materials I	2-3:20 TTh Daniel		
<a href="#"><u>CIV ENV 415-0</u></a>	Theory of Elasticity	6:00 – 7:20 pm TTh Akono		
<a href="#"><u>CIV ENV 417-1</u></a> needs 75	Mechanics of Continua I	10-10:50 MWF Rudnicki		
<a href="#"><u>CIV ENV 421-0</u></a>	Prestressed Concrete Design		8-9:20 TTh Cusatis	
<a href="#"><u>CIV ENV 422</u></a>	Limit Analysis of Structures			8:00-9:20 TTh Cusatis
<a href="#"><u>CIV ENV 424</u></a>	Stability of Structures		2-3:50 MWF Bazant	
<a href="#"><u>CIV ENV 426-1</u></a>	Advanced Finite Element Methods 1 (offered jointly with MECH_ENG 426-1)		3:30-4:50 TTh Fleming	
<a href="#"><u>CIV ENV 426-2</u></a>	Advanced Finite Element Methods 2 (offered jointly with MECH_ENG 426-2)			9:30-10:50 TTh Liu
<a href="#"><u>CIV ENV 430</u></a>	Cohesive Fracture and Scaling			MWF 1:00-2:50 Bazant
<a href="#"><u>CIV ENV 435-0</u></a>	Cost Engineering and Control			6:30-9:20 M Hadavi
<a href="#"><u>CIV ENV 436-0</u></a>	Constr Contracts/Dispute Resolution		6:30-9:20 M Krizek/Eichorn	
<a href="#"><u>CIV ENV 440-0</u></a>	Environ Transport Processes	9:30-10:50 TTh 12:30-1:50 T Lab Packman		
<a href="#"><u>CIV ENV 442</u></a>	Processes in Environmental Biotechnology			MW 12:00-1:50 Wells
<a href="#"><u>CIV ENV 444-0</u></a>	Physical/Chemical Processes In Environmental Control		2-3:50 MW Clark	
<a href="#"><u>CIV ENV 448-0</u></a>	Biophysicochemical Processes in Environmental Systems			10-10:50 MWF Gaillard
<a href="#"><u>CIV ENV 451</u></a>	Engineering Properties of Soil		8 – 9:50 TTh Finno	

<a href="#"><u>CIV ENV 452</u></a>	Unsaturated Soil Mechanics			9:00-10:50 TTh Buscarnera
<a href="#"><u>CIV ENV 471-1</u></a>	Transportation System Analysis 1		8:00-9:50 MW Nie	
<a href="#"><u>471-2</u></a>	Transportation System Analysis 2			2:00-3:50 MW Nie
<a href="#"><u>CIV ENV 472-1</u></a>	Transportation Systems Operations & Control I: Urban network			4-5:50 MW Mahmassani
<a href="#"><u>CIV ENV 472-2</u></a>	Transportation Systems Operations & Control II: Scheduled modes and real-time systems		4-5:50 MW Mahmassani	
<a href="#"><u>CIV ENV 473</u></a>	Survey Methods, data and analysis			10-11:50 MW Stathopoulos
<a href="#"><u>CIV ENV 479-0</u></a>	Transp Systems Planning and Management Discussion section required	2-3:50 MW 2-4 F Schofer		
<a href="#"><u>CIV ENV 480-1</u></a>	Travel Demand Analysis and Forecasting I		2-3:50 MW Stathopoulos	
<a href="#"><u>CIV ENV 482-0</u></a>	Evaluation and Decision-making for Infrastructure Sys Discussion section required			2-3:50 TTh 2- 3:50 F Schofer
<a href="#"><u>CIV ENV 483</u></a>	InfrastrSysAnaly		9:30-10:50 TTh DIS 10-10:50 F Durango Cohen	
<a href="#"><u>CIV ENV 495-0</u></a>	Grad – Experimental Courses Selected Topics			
	** <a href="#"><u>Sec 19</u></a> Spring Computational Geotechnics			MW 10:00-11:50 Hambleton
	** <a href="#"><u>Sec 20</u></a> —FALL Advanced Design of Steel Structures Prerequisite: CIV_ENV 323			TTh 11:00-12:20 Novak
	** Sect 21 Spring Underground Construction			TBA Finno
	** <a href="#"><u>Sec 25</u></a> – Spring Structures Capstone for STR MS students			W 6:00-7:50 Garo and Chou
	** <a href="#"><u>Sec 26</u></a> – Spring Structural Systems and Optimization			TTH 6:00-7:50 Baker and Hartz
	** <a href="#"><u>Sec 27</u></a> - Spring Advanced Design of Reinforced Concrete Structures		TTh 4:00-5:50 Mahmoud Kamara	
	** Sec 29 - Spring Case Studies in Geotechnical Engineering			M 5:00-7:50 David Hendron
	** <a href="#"><u>Sec 32</u></a> – Spring Data Analytics for TRN			9-11:50 Th Chen
	** <a href="#"><u>Sec 35</u></a>	MW 11:00 – 12:50 Hambleton		

	Computational Plasticity and Limit Analysis			
	** <a href="#">Sec 36</a> – Spring Molecular Microbiology New course number TBA			1:00-2:20 TTh Hartmann
	** <a href="#">Sec 37</a> Ground Improvement	6:00-7:50 TTh Franz		
	** Section 39 Soil Machine Interaction		TBA Hambleton	
<a href="#">CIV ENV 497</a>	**Sec 20--FALL (.50 unit) Special Topic	TBA Krizek	TBA Krizek	TBA Krizek
<a href="#">CIV ENV 499-0</a>	Projects – Graduate level <b>INDIVIDUAL INSTRUCTOR SECTIONS / Permission of instructor &amp; permission number</b> Must complete an application; Letter Grades only.			
<a href="#">CIV ENV 503-0</a>	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/Benhart	
<a href="#">CIV ENV 504-0</a>	SEIM Capstone Pre-design Seminar (S/US grade) This is the Prereq if you are planning to take “Structures Capstone for SEIM MS students” in the Spring		6-8 W Chou and Hilton	
<a href="#">CIV ENV 512-1,2,3</a>	Structural Engineering and Mechanics Seminar	11:00-11:50 W Akono	11:00-11:50 W Akono	11:00-11:50 W Akono
<a href="#">CIV ENV 515-1,2</a>	Geotechnics Seminar		12-12:50 W Buscarnera	12-12:50 W Finno
<a href="#">CIV ENV 516-1,2,3</a>	Environmental Eng and Science Seminar	2-3:30 F Wells	2-3:20 F Gaillard	2-3:20 F Gaillard
<a href="#">CIV ENV 517-1,2,3</a>	Transportation Seminar	3:30-5 Th Stathopoulos	3:30-5 Th Stathopoulos	3:30-5 Th Stathopoulos
<a href="#">CIV ENV 533-1,2,3</a>	Project Management Seminar	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi	3-3:50 M Krizek/Hadavi
<a href="#">CIV ENG 590-0</a>	Research Units (PhD) <b>INDIVIDUAL INSTRUCTOR SECTIONS</b>			
<a href="#">GEN ENG 220-1, 2</a>	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		6:30-8:50 W +1.5hr Lab/Tutorial Conway	6:30-8:50 W +1.5hr Lab/Tutorial Olson

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Last Updated on 9/19/18