

Sustainable Engineering 3 Year Teaching Plan

Updated September 5, 2017

Class Number (Instructor)	Class Title	2017			2018			2019		
		Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall
CEE 506 Chester	Life Cycle Assessment Civil Systems	Inclass			Inclass			Inclass		
CEE 507 Chester	Urban Infrastructure Anatomy	Inclass			Inclass			Inclass		
CEE 516 Fraser	Sustainable Energy and Materials	Inclass			Dropped Route 598					
CEE 517 Reddy	Applied Data Analysis for Energy Engineers	Inclass					Inclass			Inclass
CEE 518 Reddy	Sustainable Energy Technologies			Online – low enroll cancel	No - Sabbatical			Hybrid		
CEE 581 Marsh/Allenby	Advanced Earth Systems Engineering and Management	Inclass			Online			Inclass		
CEE 582 Marsh/Allenby	Industrial Ecology and Design for Environment			Inclass			Online			Inclass
CEE 591 Seager	Sustainable Engg Seminar (1 credit)			Inclass			Inclass			Inclass
CEE 598 Seager	Sustainable Engineering Ethics	Inclass			Drop Change require to CEE507 Normative offered in CEE 581					
CEE 598 Seager	Sustainable Civil and Environmental Systems Engineer	Inclass			Inclass			Inclass		
CON 598 El Asmar	Sustainable Construction	Inclass			Inclass Hyrid			Inclass Hybrid		
CON 598 Parrish	Energy Retrofits			Leave - cancel			Inclass			Inclass
CEE 598 Lackner	Carbon Capture Technologies			Inclass			Inclass			Inclass
CEE 598	Carbon Storage Technologies	Inclass			Inclass			Inclass		

Lackner										
CEE 598 Reddy	Fundamentals of Sustainable Energy Systems			Inclass			Hybrid			Hybrid
CEE 598 Garcia	Socio-Hydrologic Systems			Inclass			Inclass			Inclass
EGR 476 / 598 Johnson	Energy Infrastructures	Inclass			Inclass			Inclass		

CEE 598 course topics

- 598E1 WATER REUSE AND RECLAMATION
- 598E2 ENVIRONMENTAL MICROBIOLOGY APPLICATIONS (1)
- 598E3 ADVANCED ENVIR. ENG. CHEMISTRY: WATER
- 598E4 BOUNDARY LAYER METEOROLOGY
- 598E5 ADVANCED NUMERICAL METHODS IN HYDROLOGY
- 598E6 ADVANCED ENVIROMENTAL BIOTECHNOLOGY
- 598E7 ATMOSPHERIC CHEMISTRY
- 598E8 DATA SYNTHESIS FOR ENVIR. ENGINEERING
- 598E9 ENVIRONMENTAL ENG. ANALYTICAL LABORATORY
- 598E10 BIOTRANSFORMATIONS
- 598E11 MOLECULAR MICROBIAL ECOLOGY LAB
- 598E12 SUSTAINABLE ENGINEERING
- 598E13 ADVANCED EARTH SYSTEMS
- 598G1 GEOSYNTHESIS DESIGN
- 598G2 SOIL IMPROVEMENT
- 598H1 ADVANCED WATERSHED HYDROLOGY
- 598H2 ECOHYDROLOGY OF SEMIARID LANDSCAPES
- 598H3 WATER RESOURCES SUSTAINABILITY
- 598S1 STRUCTURAL DAMAGE EVAL. AND STRENGTHENING
- 598S2 COMPOSITE MATERIALS FOR INFASTRUCTURE
- 598S3 RANDOM HETEROGENEOUS MATERIALS
- 598T1 ADVANCED PAVEMENT SYSTEMS
- 598T2 ADVANCED SOIL AND AGGREGATE CHARACTERIZATION
- 598T3 AIRPORT PAVEMENT DESIGN
- 598T4 STATISTICAL APPLICATIONS IN PAVEMENT ENG.
- 598T5 ACTIVITY-TRAVEL BEAHVIOR

- 598T6 TRAFFIC FLOW THEORY
- 598T7 INTELLIGENT TRANSPORTATION SYSTEMS
- 598T8 PUBLIC TRANSPORTATION
- 598T9 TRANSPORTATION DATA COLLECTION & ANALYSIS
- 598SU1 SUSTAINABILITY ETHICS FOR SCIENTISTS AND ENGINEERS
- 598SU2 LIFE CYCLE ASSESSMENT FOR CIVIL SYSTEMS