

CES graduate courses three-year teaching plan (tentative)

For a more detailed description of the classes listed go to ASU's [course catalog](#)

ASU Transportation 3 Year Teaching Plan (May 2015)						
Course	Fall 15	Spr 16	Fall 16	Spr 17	Fall 17	Spr 18
CEE 412/511: Pavement Design	Mamlouk		Underwood		Mamlouk	
CEE 474/598: Trans Systems Plng	Chester		Chester		Chester	
CEE 475/576: Geometric Design		Mamlouk		Mamlouk		Mamlouk
CEE 483/583: Highway Construction	Kaloush		Kaloush		Kaloush	
CEE 512: Pavement Management Syst.		Kaloush			Kaloush	
CEE 513: Pavement Evaluation			Kaloush			Kaloush
CEE 514: Bituminous Mixtures	Kaloush			Kaloush		
CEE573: Traffic Operations	Lou		Lou		Lou	
CEE 598 : Airport Design		Adj. Faculty		Adj. Faculty		Adj. Faculty
CEE 598 : Inelastic Materials		Underwood			Underwood	
CEE 598 : Safety	Staff		Staff		Staff	
CEE 598 : Traffic Simulation Modelling and Applications			Zhou			
CEE 598 : Transportation Network Modeling			New Hire			
CEE 598F: Advanced Pavements Systems				Underwood		Underwood
CEE598Q: Activity-Travel Behavior					New Hire	
CEE598S&U: Traffic Flow Theory & ITS		Zhou				Zhou
CEE598X: Public Transportation				Zhou		
CEE598Y: Trans Data Collection & Analysis		Adj. Faculty				New Hire
CEE 598 : Life Cycle Assesment		Chester		Chester		Chester
CEE 598: Urban Infrastructure Anatomy		Chester		Chester		Chester
CEE 591(1): Transportation Seminar* (lead)	Zhou	Lou	Chester	Underwood	Mamlouk	New Hire

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 INFRASTRUCTURE
- 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 BEHAVIOR
- 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