

DATE: 01-22-2019
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
 DETAILED CURRICULUM REPORT
 Seattle CAMPUS

REPORT: SR21010-R-01 K
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COLLEGE : J - Engineering
 DEPARTMENT: CIVIL & ENV ENGINEERING

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T			
				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S	N
CEE 101	AMAZING INFRASTR Amazing Infrastructure, its Impacts and the Roles of Civil and Environmental Engineers	AUT/2018 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/18		APPROVED: 4/17/18														
CEE 102	CEE CAREERS Civil and Environmental Engineering and Careers--Companies and Agencies	WIN/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/19/18		APPROVED: 4/17/18														
CEE 103	ENG NAT AND HUM DIS Engineering for Natural and Human Caused Disasters	SPR/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/23/18		APPROVED: 3/20/18														
CEE 220	INTRO MECH OF MATLS Introduction to Mechanics of Materials	AUT/2012 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:12-14 PREQ & DESC CHG			LAST UPDT: 7/10/12		APPROVED:12/01/99														
CEE 250	ENVIRON PROCESSES Environmental Processes and flows	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG TTLS, DESC, CREDITS, PREQ			LAST UPDT: 9/06/12		APPROVED: 1/20/09														
CEE 291	AUTOCAD Introduction to AutoCAD for Civil Engineers	WIN/2019 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:END INITIAL DL			LAST UPDT: 2/03/17		APPROVED: 2/17/15														
CEE 297	FOREIGN STUDY Foreign Study	SPR/2011 - AUT/9999	3.0-05.0	15.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/10		APPROVED:12/21/10														
CEE 298	SPEICAL TOPICS Special Topics in Civil and Environmental Engineering	AUT/2012 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/16/12		APPROVED: 5/15/12														
CEE 299	INDEPENDENT PROJECT Independent Project	SPR/2011 - AUT/9999	1.0-05.0	10.0	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/10		APPROVED:12/21/10														
CEE 306	CONSTRUCT ENGR I CONSTRUCTION ENGINEERING I	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE DESCRIPTION			LAST UPDT: 2/07/14		APPROVED:12/01/99														
				FEE TYPE:1		\$25.00 BUDGET:069327		REV OBJ CD:943081												

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T	
				-ALL U	GRD		U N E	P	& N	C	M	S	N	A				S	W	T	P	R	G
CEE 349	ENV ENG STUDIES Case Studies in Environmental Engineering	AUT/2016 - AUT/9999	3.0
				LAST UPDT: 9/30/16		APPROVED: 6/07/16												
CEE 350	ENV MASS ENERGY BAL Mass and Energy Balances in Environmental Engineering	AUT/2016 - AUT/9999	4.0
				LAST UPDT:11/02/16		APPROVED: 6/07/16												
CEE 352	INTRO MICROB ENV ENG Introduction to Microbial Principles in Environmental Engineering	AUT/2018 - AUT/9999	5.0
				LAST UPDT:12/21/17		APPROVED: 6/07/16												
CEE 354	INTRO CHEM ENV ENG Introduction to Chemical Principles in Environmental Engineering	AUT/2018 - AUT/9999	5.0
				LAST UPDT: 2/02/18		APPROVED: 6/07/16												
CEE 356	SUSTAINABILITY TOOLS Quantitative and Conceptual Tools for Sustainability	SPR/2017 - AUT/9999	4.0
				LAST UPDT: 8/29/16		APPROVED: 6/07/16												
CEE 357	ENVIRONMENTAL ENGR Environmental Engineering	WIN/2018 - AUT/9999	5.0
				LAST UPDT:11/06/17		APPROVED: 6/19/12												
CEE 360	SUSTAINABILITY SUSTAINABILITY IN CIVIL ENGINEERING	SPR/2011 - AUT/9999	3.0
				LAST UPDT: 2/07/14		APPROVED:12/16/08												
				COMMENT:EMAIL PREQ CHG														
CEE 363	CONSTRN MATERIALS CONSTRUCTION MATERIALS	AUT/2012 - AUT/9999	4.0
				LAST UPDT: 2/07/14		APPROVED:12/01/99												
				COMMENT:12-14 TITLE CHG														
				FEE TYPE:1		\$35.00		BUDGET:069644		REV		OBJ		CD:943081				
CEE 366	BASIC SOIL MECH BASIC SOIL MECHANICS	AUT/2008 - AUT/9999	4.0
				LAST UPDT: 2/07/14		APPROVED:12/01/99												
				COMMENT:CHG PREQ,DESC VIA 08-10 UPDATE														
				FEE TYPE:1		\$35.00		BUDGET:069644		REV		OBJ		CD:943081				
CEE 367	GEOTECHNICAL ENGR Geotechnical Engineering	AUT/2012 - AUT/9999	5.0
				LAST UPDT:12/11/12		APPROVED: 6/19/12												
				COMMENT:12-12 ADD FEE														
				FEE TYPE:1		\$35.00		BUDGET:069644		REV		OBJ		CD:943081				

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CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL	U		GRD	E	U	N	E	P	&	N			
CEE 377	INTRO STRUCT DESIGN Introduction to Structural Design	AUT/2012 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/20/12		APPROVED: 6/19/12											
CEE 379	ELEM STRUC I ELEMENTARY STRUCTURES I	AUT/2008 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PREQ CHG PER 08-10 UPDATE			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 380	ELEM STRUCT II ELEMENTARY STRUCTURES II	SPR/2003 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREREQ CHG			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 390	CIVIL ENGR SYSTEMS CIVIL ENGINEERING SYSTEMS	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/14		APPROVED:12/01/99											
CEE 391	COMPUTER-AIDED DES GRAPHICS COMMUNICATION AND COMPUTER-AIDED DESIGN	AUT/2010 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:10-12 PREQ CHG			LAST UPDT: 2/07/14		APPROVED: 7/13/05		FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081									
CEE 392	BASIC CEE COMPUTING BASIC CIVIL ENGINEERING COMPUTING	AUT/2008 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:PREQ CHG PER 08-10 UPDATE			LAST UPDT: 2/07/14		APPROVED: 8/24/05											
CEE 401	PAVE DESIGN ROADS Pavement Design for Roads	WIN/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/15/18		APPROVED:11/13/18											
CEE 402	ENER INFRASTRUCTURE Energy Infrastructure	WIN/2019 - AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/15/18		APPROVED:11/13/18											
CEE 404	INFRASTRUCTURE CONS Infrastructure Construction	AUT/2014 - AUT/9999	4.0
	COMMENT:14-16 DESC CHG			LAST UPDT: 7/23/14		APPROVED: 1/25/06											

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				-ALL U	GRD		U N E	P & N	C M S N	A S W T P R G							
CEE 405	TRAFFIC SIMULATION Traffic Simulation	SPR/2018 - AUT/9999	3.0
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CEE 409	ENGR ROME: STDY ABRD Engineering Rome: Study Abroad	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, HYPHEN			LAST UPDT:12/16/14		APPROVED: 5/15/12											
CEE 410	TRAFFIC ENGR FUND Traffic Engineering Fundamentals	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13		APPROVED:12/01/99											
CEE 412	TRANS DATA MGMT Transportation Data Management	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 5/16/13		APPROVED: 1/31/05											
CEE 413	TRANS TECH AND SYS TRANSPORTATION TECHNOLOGIES AND SYSTEMS	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CIVE 413			LAST UPDT:10/05/06		APPROVED:12/01/99											
CEE 416	URBAN TRAN PLG/DES Urban Transportation Planning and Design	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13		APPROVED:12/01/99											
CEE 417	URB TRANS DMND FORE URBAN TRANSPORTATION DEMAND FORECASTING	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CIVE 417			LAST UPDT:10/05/06		APPROVED:12/01/99											
CEE 418	COMP-AIDED PLAN Computer-Aided Planning of Urban Systems	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CEE 418	URBDP 429	.	.
	COMMENT:WAS CIVE 418			LAST UPDT: 3/31/14		APPROVED: 6/29/78											
CEE 420	ENGR DEVLPING COMM Engineering with Developing Communities	SPR/2015 - AUT/9999	3.0
				LAST UPDT: 1/07/15		APPROVED:12/16/14											

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				-ALL U	GRD		U	GRD	E	U N E	P & N C M S N	A S W T P R G					
CEE 421	PAVEMENT DES&CONST Pavement Design and Construction	SPR/2017 - AUT/9999	4.0
				LAST UPDT: 8/07/18		APPROVED:12/01/99											
CEE 422	ENERGY AND TRANS Energy and Transportation	SPR/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/17/14		APPROVED:12/16/14											
CEE 424	GIS FOR CIV ENGRS GIS for Civil Engineers	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 4/25/05											
CEE 425	REINF CONC CONST Reinforced Concrete Construction	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG			LAST UPDT: 7/23/14		APPROVED: 2/27/04											
CEE 426	BDRY SURV/PLAT DSGN BOUNDARY SURVEYS AND PLAT DESIGN	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CIVE 426			LAST UPDT:10/05/06		APPROVED:12/01/99											
CEE 427	CONSTR SURV CONTROL CONSTRUCTION SURVEY CONTROL	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:WAS CIVE 427			LAST UPDT:10/05/06		APPROVED:12/01/99											
CEE 428	CEMENT COMPOSITES Lightweight Cementitious Composites	AUT/2012 - AUT/9999	0.0-02.0	2.0	.	.	11	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC			LAST UPDT: 5/14/13		APPROVED: 5/17/06											
CEE 429	SUST BLDG INFRA Sustainability in Building Infrastructure	AUT/2015 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/23/15		APPROVED: 2/17/15											
CEE 430	PROF PRACT ISSUES ISSUES IN PROFESSIONAL ENGINEERING PRACTICE	SUM/2000 - AUT/9999	3.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
	COMMENT:WAS CIVE 430			LAST UPDT:10/05/06		APPROVED:12/01/99											
CEE 431	SEIS & EARTHQKE ENGR Seismology and Earthquake Engineering	AUT/2012 - AUT/9999	3.0	Y	.	.	.	CEE 431 ESS	465	.	.
	COMMENT:UPDATE PREQ			LAST UPDT: 2/06/18		APPROVED:12/01/99											

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G						
CEE 436	FNDN DESIGN Foundation Design	AUT/2013 - AUT/9999	3.0
	COMMENT:EMAIL PREQ CHG															
CEE 437	ENGINEER GEOLOGY I Engineering Geology I	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG DESC PER 08-10 UPDATE															
CEE 440	PROF PRAC STUDIO Professional Practice Studio	AUT/2005 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHANGE TITLES															
CEE 441	TRANS CONST CPSTONE Transportation and Construction Capstone Design Project	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS															
CEE 442	STRUCT GEO CAPSTONE Structural Geotechnical Capstone Design Project	SPR/2015 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG															
CEE 444	HYDRAULIC CAPSTONE Water Resources and Hydraulic Engineering Capstone Design Project	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, 2/7/13 EMAIL PREQ															
CEE 445	ENV ENG DES CAPSTONE Environmental Engineering Capstone Design Project	AUT/2013 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:CHG CREDITS, 2/7/13 EMAIL PREQ															
CEE 451	DES MET STRUC Design of Metal Structures	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 PREQ CHG															
CEE 452	DES REINF CONCR STR Design of Reinforced Concrete Structures	AUT/2014 - AUT/9999	3.0	Y
	COMMENT:14-16 PREQ CHG															

LAST UPDT: 6/29/15 APPROVED:12/01/99
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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
CEE 465	DATA ANALYSIS WATER Data Analysis in Water Sciences	AUT/2018 - AUT/9999	4.0
				LAST UPDT: 2/23/18		APPROVED: 2/20/18											
CEE 472	HYDR IN WATER RSRCS Introduction to Hydraulics in Water Resources	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 5/16/13		APPROVED:12/01/99											
CEE 473	COASTAL ENGRNG I Coastal Engineering I	AUT/2014 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 DESC CHG			LAST UPDT: 7/23/14		APPROVED:12/01/99		FEE TYPE:1 \$35.00 BUDGET:069644 REV OBJ CD:943081									
CEE 474	SEDIMENT TRANSPORT Hydraulics of Sediment Transport	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13		APPROVED:12/01/99											
CEE 475	GROUNDWATER FLOW Analysis Techniques for Groundwater Flow	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 DESC			LAST UPDT: 7/23/14		APPROVED:12/01/99											
CEE 476	PHYSICAL HYDROLOGY Physical Hydrology	AUT/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/07/13		APPROVED:12/01/99											
CEE 477	OPEN-CHANNEL FLOW Open-Channel Flow	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	COMMENT:14-16 DESC, TITLE CHG			LAST UPDT: 7/23/14		APPROVED:12/01/99											
CEE 478	WATER SYS MANAG & OP Water Systems Management and Operations	SPR/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/25/18		APPROVED: 1/23/18											
CEE 480	AIR QLTY MODELING Air-Quality Modeling	AUT/2015 - AUT/9999	3.0	.	.	.	.	Y	.	Y	.	.	.	CEE 480	ATM S 480	.	.
	COMMENT:EMAIL PREQ CHG			LAST UPDT: 2/02/15		APPROVED:12/01/99		FEE TYPE:1 \$50.00 BUDGET:069644 REV OBJ CD:943081									

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
CESG 501	STR MECHANICS Structural Mechanics	AUT/2017 - WIN/2019	6.0
				LAST UPDT:10/17/18		APPROVED: 1/28/00											
CESG 501	STR MECHANICS Structural Mechanics	SPR/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/18		APPROVED: 1/28/00											
CESG 502	STR DYNAMICS Structural Dynamics	WIN/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/18		APPROVED: 1/28/00											
CESG 503	ADV STRUCTURES I Advanced Structures I	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 1/25/18		APPROVED: 1/23/18											
CESG 504	FINITE ELEM METHODS Finite Element Methods in Structural Mechanics	AUT/2017 - WIN/2019	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/18													
CESG 504	FINITE ELEM METHODS Finite Element Methods in Structural Mechanics	SPR/2019 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/17/18													
CESG 505	ENGR COMPUTING Engineering Computing	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 3/13/07											
CESG 506	NONLNR ANLY STR SYS Nonlinear Analysis of Structural Systems	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 3/13/07											
CESG 507	STRUC STABILITY Structural Stability	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED:11/17/15											
CESG 508	MATERIALS MODELING Materials Modeling	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 1/28/00											
CESG 509	RELIABILITY & DESGN Reliability and Design	AUT/2017 - AUT/9999	3.0
				LAST UPDT: 9/27/17		APPROVED: 8/23/00											

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					-ALL	U		GRD	E	U		N	E	L				I	E	C	Q	T
					MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	COURSE	COURSES	T

CESG	599	SPECIAL TOPICS	WIN/2018 - AUT/9999	1.0-05.0	20.0
		Special Topics in Structural and Geotechnical Engineering																				

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				-ALL	U		GRD	E	U	N	E	P	&	N				C	M	S
CESI 501	DIS RENEW POWER Distributed Renewable Power Systems	WIN/2019 - AUT/9999	3.0			
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 502	GEOMATICS Geomatics in Energy Infrastructure	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 503	OPERATION PWR PLT Operation of a Power Plant	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 504	BLDG LEED ENERGY Buildings, LEED, and Energy Use	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 505	AIR POLL CNTRL Air Pollution Control and Occupational Safety and Health	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 506	MANAG OF HAZ WASTE Management of Site Remediation, Hazardous Waste, and On-Site Treatment	WIN/2019 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 508	ACC & FIN CONSTR Accounting and Finance for Construction	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/22/16		APPROVED:11/15/16														
CESI 509	ENGR ROME: STDY ABRD Engineering Rome: Study Abroad	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 5/15/12														
CESI 510	ELECTRIC GRIDS Electric Grids	WIN/2019 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 511	GRID INTEGRATION Grid Integration of Variable Sources of Generation	WIN/2019 - AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/25/17		APPROVED: 4/18/17														
CESI 512	REGULATE UTILITIES Regulating Electric Utilities	WIN/2019 - AUT/9999	1.0	.	CR/NC			
				LAST UPDT:10/25/17		APPROVED: 4/18/18														

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					-ALL U	GRD	E	D			U N E	P & N	C M	S N			
CESI 513	OP AND MAINT WIND Operation and Maintenance of a Wind Farm	WIN/2019 -	AUT/9999	1.0	. CR/NC
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 514	HYDRO PROJ RELICENSE Hydroelectric Project Relicensing	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 519	E-CONSTRUCTION Trends and Applications in E-Construction	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 520	ELEC FUNDAMENTALS Electricity Fundamentals	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 521	INTRO ACAD BLUEBEAM Introduction to AutoCAD and Bluebeam	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 522	INTRO AUTOTURN Introduction to AutoTURN	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 524	STAT FOR CONST Statistical Methods for Construction	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		10/25/17	APPROVED:		4/18/17							
CESI 525	WIND TURB ANALYSIS Wind Turbine Analysis	AUT/2018 -	SUM/2019	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		2/23/18	APPROVED:		1/23/18		DROPPED:		1/23/18			
CESI 527	ENER INFRA FUND Energy Infrastructure Fundamentals	WIN/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		7/02/18	APPROVED:		6/05/18							
CESI 528	DES PROJECT ROADS Pavement Design for Project Roads	SUM/2019 -	AUT/9999	1.0	. CR/NC .	.	.	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:		7/02/18	APPROVED:		6/05/18							
CESI 529	SUPPLEMENTAL PAVE Supplemental Pavement Topics	SUM/2019 -	AUT/9999	1.0	. CR/NC
					LAST UPDT:		10/17/18	APPROVED:		10/16/18							

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CESI 552	ENVIR REGS Environmental Regulations	WIN/2018 - AUT/9999	3.0 Y
									LAST UPDT:12/26/17	APPROVED: 4/15/08	
CESI 588	ENERGY INFRA & ENV Energy Infrastructure and the Environment	SPR/2018 - AUT/9999	3.0	.	.	.	. . .	. . . . .			.
									LAST UPDT:12/26/17	APPROVED: 1/18/11	
CESI 592	STAT FUND CONST APP Statistical Fundamentals for Construction and Materials Applications	SPR/2018 - AUT/9999	3.0	.	.	.	. . .	. . . . .			.
									LAST UPDT:12/26/17	APPROVED: 1/25/06	
CESI 594	COMPT-AIDED CONSTR Computer-Aided Construction	AUT/2017 - AUT/9999	3.0	.	.	.	. . .	. . . . .			.
									LAST UPDT:10/11/17	APPROVED: 1/25/06	
CESI 595	CONSTRUCTION MATS Construction Materials	AUT/2017 - AUT/9999	3.0	.	.	.	. . .	. . . . .			.
									LAST UPDT:10/11/17	APPROVED: 1/25/06	
CESI 596	PAVE CONSTRUCTION Pavement Construction	AUT/2017 - AUT/9999	3.0	.	.	.	. . .	. . . . .			.
									LAST UPDT:10/11/17	APPROVED: 1/25/06	
CESI 599	SPECIAL TOPICS Special Topics in Construction, Energy and Sustainable Infrastructure	WIN/2018 - AUT/9999	1.0-05.0	20.0
									LAST UPDT:12/21/17	APPROVED:12/19/17	

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				-ALL U	GRD		E	U N E	P	& N C M S N	A S W T P R G						
CET 512	TRANS DATA MANAGE Transportation Data Management	WIN/2018 - AUT/9999	3.0
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CET 561	TRANSPORTATION PLAN Transportation Planning and Design	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 3/15/11											
CET 562	LIVABLE COMM Livable Communities and Design	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 3/15/11											
CET 563	TRANS CHOICES Transportation Choices and Technology	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 3/15/11											
CET 564	SUSTAIN TRANS SYST Sustainable Transportation from a Systems Perspective	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 4/17/12											
CET 565	CLIM CHANGE ENERGY Climate Change and Energy	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/29/17		APPROVED: 4/17/12											
CET 566	ENV ANALYSIS ASSESS Environmental Analysis and Assessment	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 4/17/12											
CET 567	HEALTH SUSTAIN TRAN Health and Sustainable Transportation	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 4/16/13											
CET 568	TRANS ECONOMICS Transportation Economics	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 4/16/13											
CET 569	SUSTAIN POLICY FIN Policy Development, Finance, and Sustainable Transportation	AUT/2017 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 4/16/13											
CET 579	ADV TRAFFIC DET SYS Advanced Traffic Detection Systems	AUT/2017 - AUT/9999	3.0
				LAST UPDT:10/11/17		APPROVED: 1/31/05											

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				-ALL U	GRD		U N E	P	& N C M S N	A S W T P R G							
CET 580	URBAN TRANSPORT PLG Urban Transportation Planning	AUT/2017 - AUT/9999	4.0
				LAST UPDT: 9/27/17		APPROVED: 3/25/02											
CET 581	TRAVEL DEMAND FCAST Travel Demand Forecasting	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 6/28/00											
CET 582	INTELLGNT TRANS SYS Intelligent Transportation Systems	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 6/28/00											
CET 583	TRANSP ENRGY & SUST Transportation Energy and Sustainability	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 9/15/15											
CET 584	ANYL METH TRANS I Analytical Methods in Transportation I	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	CET 584	IND E 546	.	.
				LAST UPDT:10/11/17		APPROVED: 1/28/00											
CET 585	ANLY METH TRANSP II Analytical Methods in Transportation II	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 6/28/00											
CET 586	PEDESTRIAN TRAVEL Pedestrian Travel, Land Use, and Urban Form	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	URBDP 576	URBDP 576	.	.
				LAST UPDT:10/17/17		APPROVED: 2/24/06											
CET 587	GTTL MANAGEMENT Global Trade, Transportation, and Logistics Management	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 9/22/97											
CET 589	TRANSIT SYSTEMS PLG Transit Systems Planning	WIN/2018 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/31/17		APPROVED: 8/23/00											
				FEE TYPE:1		\$50.00 BUDGET:069644		REV OBJ CD:943081									
CET 590	TRAFFIC SYSTMS OPER Traffic Systems Operations	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 8/23/00											
CET 591	FREIGHT TRANSPN Freight Transportation	AUT/2017 - AUT/9999	3.0
				LAST UPDT: 9/27/17		APPROVED: 8/23/00											

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COURSE		EFFECTIVE	QUARTERS	CREDITS	OVER D		D	S H F			V	E E W		RESPONS	JOINT	O							
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CET	593	TRANS SYSTM ANALYSIS Transportation System Analysis	SPR/2018 - AUT/9999	3.0							
LAST UPDT:12/21/17 APPROVED:12/19/17																							
CET	594	Trav Survey Methods Travel Survey Methods	SPR/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.
LAST UPDT:12/21/17 APPROVED:12/19/17																							
CET	599	SPECIAL TOPICS Special Topics in Transportation Engineering	WIN/2018 - AUT/9999	1.0-05.0	20.0								
LAST UPDT:12/21/17 APPROVED:12/19/17																							

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				-ALL	U		GRD	E	U	N	E	P	& N	C				M	S	N
CEWA 540	MICRO PROC FUND Microbiological Process Fundamentals	AUT/2017 - AUT/9999	3.0			
				LAST UPDT: 9/27/17		APPROVED: 6/28/00														
CEWA 541	BIO TRT SYST Biological Treatment Systems	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 3/28/91														
CEWA 543	AQUATIC CHEMISTRY Aquatic Chemistry	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 2/21/01														
CEWA 544	PHY CHEM TRT PROC Physical-Chemical Treatment Processes	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/29/17		APPROVED: 8/23/00														
CEWA 545	ENV ORG CHEM Environmental Organic Chemistry	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 8/27/01														
CEWA 546	TOP EC EFF WAST WAT Topics in Ecological Effects of Wastewater	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 8/23/00														
CEWA 547	LAKE/WATERSHED MGMT Lake and Watershed Management	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 4/01/88														
CEWA 549	ADV TOPICS ENV ENG Advanced Topics in Environmental Engineering, Chemistry, and Biology	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 8/23/00														
CEWA 550	ENVIR CHEM MODEL Environmental Chemical Modeling	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 8/27/01														
CEWA 553	SMNR ATMOS CHEM Seminar - Topics in Atmospheric Chemistry	WIN/2018 - AUT/9999	1.0-03.0	6.0	Y	.	.	.	.	.	.	.	.	.	.	.	CEWA 553 ATM S 525			
				LAST UPDT:12/26/17		APPROVED: 1/28/00														
CEWA 554	ACOSTCS ENVRN NOISE Acoustics of Environmental Noise	WIN/2018 - AUT/9999	4.0	M E 528 M E 528			
				LAST UPDT:12/26/17		APPROVED: 7/16/70														

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CEWA 555	TPCS ENVIRNMTL HLTH Topics in Environmental Health	WIN/2018 - AUT/9999		3.0
					LAST UPDT:12/26/17		APPROVED: 8/23/00															
CEWA 557	AIR RESOURCES MGMT Air Resources Management	WIN/2018 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/26/17		APPROVED: 8/23/00															
CEWA 560	RISK ASSESSMENT Risk Assessment for Environmental Health Hazards	AUT/2018 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	ENV H 577	PUBPOL589	.
					LAST UPDT: 4/19/18		APPROVED: 3/30/82		ENV H 577													
CEWA 564	ADVANCED HYDROLOGY Advanced Hydrology	AUT/2017 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/11/17		APPROVED: 8/23/00															
CEWA 565	DATA ANALYSIS WATER Data Anaylsis in Water Sciences	AUT/2017 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/20/17		APPROVED: 6/06/17															
CEWA 566	SAT REM SENS WATER Satellite Remote Sensing for Water Resources	AUT/2017 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/20/17		APPROVED: 6/06/17															
CEWA 568	SNOW HYDROLOGY Snow Hydrology	AUT/2017 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/11/17		APPROVED: 6/21/11															
CEWA 570	HYDRODYNAMICS Hydrodynamics	AUT/2017 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/11/17		APPROVED: 8/23/00															
CEWA 571	HYDRODYN WATER QUAL Hydrodynamics in Water Quality	WIN/2018 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/26/17		APPROVED: 8/23/00															
CEWA 572	NUMERICAL MODELING Numerical Modeling of Hydrodynamics	SPR/2018 - AUT/9999		3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/21/17		APPROVED:12/19/17															
CEWA 573	COAST WAVES FOR ENG Water Wave Mechanics for Coastal Engineers	AUT/2017 - AUT/9999		4.0
					LAST UPDT:10/11/17		APPROVED: 8/23/00															

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				-ALL	U		GRD	E	U	N	E	P	& N	C			
CEWA 574	SEDIMENT TRANSPORT Hydraulics of Sediment Transport	SPR/2018 - AUT/9999	4.0
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CEWA 576	PHYSICAL HYDROLOGY Physical Hydrology	AUT/2017 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 7/17/17		APPROVED: 6/06/17											
CEWA 577	OPN CHN FLO HEC-RAS Open Channel Flow with Modeling	WIN/2018 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CEWA 578	WATER SYS MGMT & OP Water Resource System Management and Operations	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/11/17		APPROVED: 1/28/00											
CEWA 579	QUANT WATER MANAG Quantitative Water Management	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CEWA 580	WATER QUALITY MNGMT Water-Quality Management	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/31/17		APPROVED: 8/23/00											
CEWA 582	WASTEWTR REUSE RECYC Wastewater Reuse and Resource Recovery	WIN/2018 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED:12/19/17											
CEWA 596	CHEM FATE & TRANSP Fate and Transport of Chemicals in the Environment	AUT/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/27/17		APPROVED: 9/17/13											
CEWA 597	JORDAN STUDY ABROAD Engineering Jordan: Water in an Arid Land Study Abroad	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 2/19/13											
CEWA 599	SPECIAL TOPICS Special Topics in Environmental Engineering	WIN/2018 - AUT/9999	1.0-05.0	20.0
				LAST UPDT:12/21/17		APPROVED:12/19/17											

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				-ALL	U		GRD	E	U	N	E	P	&	N			
SCTL 501	LOGST AND ANALYSIS Logistics and Analysis	AUT/2013 - AUT/9999	3.0
				LAST UPDT: 4/16/13		APPROVED: 4/16/13											
SCTL 502	IT INTEGRATION IT Systems and Supply Chain Integration	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/26/17		APPROVED: 4/16/13											
SCTL 503	INVENTORY MGMT Inventory Management	SPR/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/22/18		APPROVED: 4/16/13											
SCTL 504	FAC DES & OP MGMT Facility Design and Operations Management	WIN/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:12/21/17		APPROVED: 4/16/13											
SCTL 505	SUPPLY TRANS RISKS External Supply Chain Transportation Risks	SUM/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED:11/19/13											
SCTL 506	FIN AND PERF MGMT Finance and Performance Management	SUM/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED: 6/03/14											
SCTL 507	PRACTICUM Practicum	AUT/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED: 9/16/14											
SCTL 508	SUPPLY CHAIN COLLAB Collaboration Across the Supply Chain	SUM/2018 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/11/18		APPROVED:12/16/14											
SCTL 510	FREIGHT TRANSPORT Freight Transport	WIN/2019 - AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:11/20/17		APPROVED:11/14/17											