

FALL 2018 - SCHEDULE OF COURSES
 CIVIL, ENVIRONMENTAL & ARCHITECTURAL ENGINEERING

Courses are for **3 credits** unless otherwise noted. * = cross-listed courses. ** = combined cap for both cross-listed sections.

September 6, 2018

CHANGES SINCE LAST PUBLISHED SCHEDULE ARE IN RED/BOLD

<u>COURSE</u>	<u>SEC</u>	<u>CL</u>	<u>TITLE</u>	<u>DAY</u>	<u>TIME</u>	<u>BLDG/ROOM</u>	<u>INSTRUCTOR</u>	<u>CAP</u>	<u>CALL #</u>
AREN 1027	010		ENGINEERING DRAWING	TUTH	800-915	ECCR 200	CAYKO/GORE	92	15173
	011		LAB	TUTH	915-1045	ECCE 141	CAYKO/GORE	46	15175
	012		LAB	TUTH	1050-1220	ECCE 141	CAYKO/GORE	46	15176
AREN 1316	001		INTRO TO AREN (1.0)	W	900-950	ECCE 1B41	AREHART	49	17990
AREN 2050	001		BUILDING MATERIALS AND SYSTEMS	TUTH	930-1045	ECCR 155	WUJEK	48	16927
AREN 2110	001		THERMODYNAMICS	MWF	200-250	FLMG 104	HERNANDEZ	77	15177
AREN 3010	001		ENERGY EFFICIENT BUILDINGS	TUTH	200-315	ECCE 1B41	HENZE	49	15178
AREN 3050	001		ENVIRONMENTAL SYSTEMS FOR BUILDINGS 1	TUTH	800-915	ECCR 155	WUJEK	48	15179
AREN 3540	001		ILLUMINATION I	MWF	1000-1050	ECCR 150	SCHEIB	48	17016
AREN 4035	002		ARCH STRUCTURES I <i>For ENVD student only</i>	TUTH	500-615	MUEN E130	KEELY	30	
AREN 4130	001	*	OPTICAL DESIGN	MW	530-645	ECCR 116	JONGEWAARD	25**	32987
AREN 4506	001		CONSTRUCTION ESTIMATING & SCHEDULING	TUTH	1100-1215	ITLL 1B50	JAVERNICK-WILL	48	17017
AREN 4570	001	*	BUILDING ELECTRICAL SYSTEMS 1	TUTH	1230-145	ECCR 116	KRARTI	27**	17193
AREN 4580	001	*	DAYLIGHTING	TUTH	1100-1215	ECCR 139	SCHEIB	27**	17632
AREN 4830	002		SP TPC-SUSTAINABLE MATER & STRUCTURES	TUTH	1230-145	ECCE 1B47	AREHART	25**	31553
AREN 4830	004		SP TPC-ARCHITECTURAL LIGHTING DESIGN 1 <i>For ENVD Lighting Certificate student only</i>	M	900-1150	ECCE 1B41	BURRELL	30	17048
AREN 4890	001	*	SP TPC-SUSTAINABLE BUILDING DESIGN	TUTH	1100-1215	ECCR 105	ZUO	48**	17594
CVEN 1317	001		INTRO TO CVEN (1.0)	TU	200-250	ECCR 245	BIELEFELDT	68	15205
CVEN 2012	010		INTRO TO GEOMATICS	MF	1200-1250	ECCE 1B41	PFEFFER	48	17793
	011		LAB	M	200-450	ECCE 1B47	PFEFFER	12	17794
	012		LAB	TU	200-450	ECCE 1B47	PFEFFER	12	17795
	013		LAB	W	200-450	ECCE 1B47	PFEFFER	12	17796
	014		LAB	TH	200-450	ECCE 1B47	PFEFFER	12	17797
CVEN 2121	001		ANALYTICAL MECHANICS I (STATICS)	MWF	900-950	ECCR 1B40	SONG	106	15181
CVEN 3161	010		MECHANICS OF MATERIALS I	MWF	900-950	FLMG 156	HUBLER	68	15182
	011		LAB	W	200-350	ECCE 1B52	HUBLER	34	15183
	012		LAB	W	400-550	ECCE 1B52	HUBLER	34	15184
CVEN 3227	400		PROB, STATS AND DECISION <i>For CU-CMU partnership students only</i>	TUTH	1000-150	CMU	OTT	30	40055
CVEN 3246	001		INTRO TO CONSTRUCTION	TUTH	1100-1215	FLMG 157	GOODRUM	68	15203
CVEN 3246	400		INTRO TO CONSTRUCTION <i>For CU-CMU partnership students only</i>	MW	1100-1215	CMU	U. TECHERA	30	33433
CVEN 3256	001		CONSTRUCTION EQUIP METHODS	TUTH	500-615	KOBL 220	BHANDARI	50	15204
CVEN 3323	010		HYDRAULIC ENGINEERING	TUTH	930-1045	ECCR 245	NEUPAUER	90	15186
	011		LAB	F	800-850	TBD	NEUPAUER	18	15187
	012		LAB	F	900-950	TBD	NEUPAUER	18	15188
	013		LAB	F	1100-1150	TBD	NEUPAUER	18	15189
	014		LAB	F	100-150	TBD	NEUPAUER	18	15190
	015		LAB	F	200-250	TBD	NEUPAUER	18	15191
CVEN 3414	001		FUND ENV ENGINEERING	MWF	300-350	ECCR 200	MILLER	106	15195
CVEN 3525	001		STRUCTURAL ANALYSIS	MWF	900-950	ECCR 245	COROTIS	106	15199
CVEN 3525	400		STRUCTURAL ANALYSIS <i>For CU-CMU partnership students only</i>	MW	200-315	CMU	U. TECHERA	30	33437
CVEN 3602	001		TRANSPORTATION SYSTEMS	TUTH	200-315	FLMG 154	TORRES-MACHI	48	18021
CVEN 3708	010		GEOTECHNICAL ENGINEERING I	TUTH	200-315	ECCR 150	ZHANG	60	17032
	011		LAB	M	100-250	ECCE 1B53	ZHANG	20	16756
	012		LAB	W	1100-100	ECCE 1B53	ZHANG	20	17033
	013		LAB	W	100-250	ECCE 1B53	ZHANG	20	16757
CVEN 3718	010		GEOTECHNICAL ENGINEERING II	MWF	1100-1150	ECCR 155	REGUEIRO	48	15208
	011		LAB	F	200-350	ECCE 1B53	REGUEIRO	24	15209
	012		LAB	F	400-550	ECCE 1B53	REGUEIRO	24	16870
CVEN 4147	001	*	CIVIL ENGINEERING SYSTEMS	TUTH	800-915	ECCE 1B41	SILVERSTEIN	27**	15206
CVEN 4161	010	*	MECHANICS OF MATERIALS 2	MWF	900-950	ECCR 151	XI	48**	17197
	011	*	LAB	M	600-850	ECCE 1B52	XI	48**	17198
CVEN 4333	001		ENGINEERING HYDROLOGY	TUTH	1100-1215	FLMG 156	LIVNEH	64	17482

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CVEN 4353	001	*	GROUNDWATER ENGINEERING	TUTH	800-915	ECCR 245	NEUPAUER	106**	15192
CVEN 4404	001	*	WATER CHEMISTRY (3.0)	MWF	1000-1050	FLMG 156	ROSARIO-ORTIZ	64**	15196
CVEN 4414	001	*	LAB (1.0)	TU	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	15197
CVEN 4414	002	*	LAB (1.0)	W	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	15198
CVEN 4414	003	*	LAB (1.0)	TH	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	16974
CVEN 4414	004	*	LAB (1.0)	M	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	17684
CVEN 4464	001	*	ENVIRONMENTAL ENGINEERING PROCESSES	MWF	900-950	FLMG 104	KORAK	64**	16909
CVEN 4511	001	*	FINITE ELEMENT ANALYSIS	TUTH	1100-1215	ECCE 1B41	SONG	49**	17053
CVEN 4525	001	*	MATRIX STRUCTURAL ANALYSIS	TUTH	1100-1215	ECCE 1B47	SAOUMA	27**	15200
CVEN 4535	001	*	CONSTRUCTION MATERIALS	MWF	800-850	ECCE 1B47	XI	25**	35706
CVEN 4555	001		REINF CONCRETE DESIGN	TUTH	930-1045	FLMG 157	LIEL	84	16871
CVEN 4728	002	*	FOUNDATION ENGRG	MW	500-615	ECCE 1B47	KAFASH	25**	36539
CVEN 4837	001	*	SP TPC-HUMANITARIAN RESP & DISASTER MGMT	TUTH	1230-145	ECCE 1B41	SALVINELLI	40**	18014
CVEN 4897	001		PROFESSIONAL ISSUES IN CVEN (2.0)	TUTH	1230-120	FLMG 156	BIELEFELDT	84	17251
EVEN 1000	001		INTRO TO EVEN (1.0)	TH	200-250	FLMG 157	SUMMERS	84	15320
EVEN 3550	001		SUSTAINABILITY PRINCIPLES FOR ENG	MWF	1100-1150	FLMG 156	COOK	64	32288
EVEN 4404	001	*	WATER CHEMISTRY (3.0)	MWF	1000-1050	FLMG 156	ROSARIO-ORTIZ	64**	17221
	001	*	LAB (1.0)	TU	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	17222
	002	*	LAB (1.0)	W	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	17223
	003	*	LAB (1.0)	TH	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	17224
	004	*	LAB (1.0)	M	300-550	ECCE 1B67	ROSARIO-ORTIZ	16**	17685
EVEN 4464	001	*	ENVIRONMENTAL ENGINEERING PROCESSES	MWF	900-950	FLMG 104	KORAK	64**	17201
<u>OTHER COURSES TAUGHT BY CEAE FACULTY</u>									
ECEN 3030	001		ELECTRICAL/ELECTRONIC CIRCUITS NON-MAJOR	MWF	200-250	ECCE 1B32	BAKER	48	15104
ENEN 4600	001		ENERGY ENGINEERING PROJECTS	MWF	900-950	ECCR 139	WALKER	20	17306
MCEN 3032	001		THERMO 2	MWF	200-250	ECCR 200	WALKER	88	16958
MCEN 5032	001	*	SUSTAINABLE ENERGY	MWF	1200-1250	ECCR 105	WALKER	25	17168
FYSM 1001			FIRST-YEAR SEMINAR	W	300-530		LIEL		
<u>DELETED COURSES</u>									
AREN 4530	001		ADVANCED LIGHTING DESIGN	MWF	1000-1050	ECCE 1B47	VASCONEZ	25	17192
			ADDITIONAL REQUIRED MEETING TIME	F	1100-1250	ECCE 1B47	VASCONEZ	25	
AREN 4830	003		SP TPC - TBD	TUTH	930-1045	ECCR 139	VASCONEZ/SCHEIB	27	34099
EVEN 4100	010		ENVIRONMENTAL SAMPLING & ANALYSIS	M	1000-1200	TBD	TBD	25	17944
	011		LAB	TU	215-515	TBD	TBD	25	17646
CVEN 5614	001		BIOENERGY & BIORESOURCE RECOVERY	TUTH	130-245	SEEC N126	REN	30	17484
CVEN 5834	001		SP TPC-ENVIRONMENTAL SUSTAINABILITY	TUTH	1030-1145	SEEC N129	COOK	28	17485
CVEN 5111	001B		INTRO TO STRUCTURAL DYNAMICS		DISTANCE	SECTION	POURAHMADIAN	15	18011
CVEN 5768	001		INTRO TO ROCK MECHANICS	TUTH	800-915	ECCR 139	AMADEI	27	33490
CVEN 3708	400		GEOTECHNICAL ENGINEERING I	TTH	1000-150	CMU	TBD	30	33438
			<i>For CU-CMU partnership students only</i>						
AREN 4830	001	*	SP TPC-FORENSIC ENGINEERING	TUTH	200-315	ECCR 135	SRUBAR	27**	17261
CVEN 5830	001	*	SP TPC-FORENSIC ENGINEERING	TUTH	200-315	ECCR 135	SRUBAR	27**	17022
CVEN 5830	004	*	SP TPC-SUSTAINABLE MATER & STRUCTURES	TUTH	1230-145	ECCE 1B47	AREHART	27**	17954
CVEN 5537	001		NUMERICAL METHODS IN CIVIL ENG	MWF	1000-1050	ECCR 108	RAJARAM	27	15207
CVEN 3698	010		ENGINEERING GEOLOGY	MWF	1000-1050	FLMG 104	AMADEI	48	17020
	011		LAB	F	300-350	ECCR 155	AMADEI	48	17021
CVEN 3414	400		FUND ENV ENGINEERING	MW	930-1045	CMU	K. KROHN	30	33435
			<i>For CU-CMU partnership students only</i>						
CVEN 5919	001B		SUSTAINABLE COMM DVLP 1		DISTANCE	SECTION	KLEES	10	17636

GRADUATE COURSES ARE LISTED ON PAGE 3

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BUILDING SYSTEMS									
AREN 5130	001	*	OPTICAL DESIGN	MW	530-645	ECCR 116	JONGEWAARD	25**	32988
AREN 5890	001	*	SP TPC-SUSTAINABLE BUILDING DESIGN	TUTH	1100-1215	ECES 114	ZUO	48**	17595
CVEN 5830	002		SP TPC-BUILDING ENERGY SYSTEMS	TUTH	930-1045	ECCE 1B47	KRARTI, BAKER, SCHEIB	25	16956
CVEN 5830	003	*	SP TPC-ELECTRICAL SYSTEMS 1	TUTH	1230-145	ECCR 116	KRARTI	27**	17207
CVEN 5830	005	*	SP TPC-DAYLIGHTING	TUTH	1100-1215	ECCR 139	SCHEIB	27**	18026
CIVIL SYSTEMS									
CVEN 5147	001	*	CIVIL ENGINEERING SYSTEMS	TUTH	800-915	ECCE 1B41	SILVERSTEIN	30**	16975
CVEN 5147	001B		CIVIL ENGINEERING SYSTEMS		DISTANCE	SECTION	SILVERSTEIN	10	17661
CVEN 5837	001	*	SP TPC-HUMANITARIAN RESP & DISASTER MGMT	TUTH	1230-145	ECCE 1B41	SALVINELLI	40**	18015
CVEN 5837	001B		SP TPC-HUMANITARIAN RESP & DISASTER MGMT		DISTANCE	SECTION	SALVINELLI	15	18012
CONSTRUCTION									
CVEN 5246	001		LEGAL ASPECTS	TH	500-750	ECCE 1B47	WALSH	25	36010
CVEN 5286	001		DESIGN CONSTRUCTION OPERATIONS	TUTH	200-315	KCEN N252	GOODRUM	25	17039
CVEN 5836	001		SP TPC-CEM FUNDAMENTALS	TUTH	1230-145	ECCR 135	MOLENAAR	48	17044
EDC									
CVEN 5919	001		SUSTAINABLE COMM DVLP 1	TUTH	330-445	ECCE 1B41	KLEES	25	16959
CVEN 5939	001		SCD FIELD PRACTICUM	M	400-600	ECCE 1B41	KLEES	30	16731
CVEN 5969	001		WAT SAN HYG	TUTH	500-615	ECCE 1B41	KLEES	15	17208
CVEN 5969	002		WAT SAN HYG (2.0) 10 WKS	TUTH	500-615	ECCE 1B41	KLEES	15	17209
CVEN 5969	003		WAT SAN HYG (1.0) 5 WKS	TUTH	500-615	ECCE 1B41	KLEES	15	17210
ENVIRONMENTAL									
CVEN 5404	002		WATER CHEMISTRY	MW	1100-1230	SEEC N125	BILGIN	28	40013
CVEN 5404	002B		WATER CHEMISTRY		DISTANCE		BILGIN	15	17874
CVEN 5464	001		ENVIRONMENTAL ENGINEERING PROCESSES	TUTH	1200-115	SEEC N125	SUMMERS	28	33448
CVEN 5464	001B		ENVIRONMENTAL ENGINEERING PROCESSES		DISTANCE	SECTION	SUMMERS	15	33449
CVEN 5484	001		APPLIED MICROBIOLOGY & TOXICOLOGY	TUTH	300-415	SEEC S125	HERNANDEZ	30	17805
CVEN 5584	001		WATER UTILITY FINANCIAL & MGMT	W	330-615	ECCE 1B41	KUCHENRITHER	30	17023
CVEN 5584	001B		WATER UTILITY FINANCIAL & MGMT		DISTANCE	SECTION	KUCHENRITHER	15	17284
GEOTECH									
CVEN 5708	002		SOIL MECHANICS	TUTH	330-445	HLMS 263	ZHANG	20	40533
CVEN 5728	002	*	FOUNDATION ENGRG	MW	500-615	ECCE 1B47	KAFASH	25**	36540
CVEN 5798	002		DYNAMICS OF SOILS/FOUND	MWF	10-1050	ECCR 108	PAK	20	40620
CVEN 5838	001		SP TPC-MECH/DYNA ROCKFALLS/LANDSLIDES (1.0)	F	300-350	ECCR 118	PFEFFER	20	18013
MECHANICS									
CVEN 5111	001		INTRO TO STRUCTURAL DYNAMICS	MW	100-215	ECCE 1B41	POURAHMADIAN	49	18010
CVEN 5161	010	*	ADVANCED MECHANICS OF MATERIALS 1	MWF	900-950	ECCR 151	XI	48**	17199
	011	*	LAB	M	600-850	ECCE 1B52	XI	48**	17200
CVEN 5511	001	*	FINITE ELEMENT ANALYSIS	TUTH	1100-1215	ECCE 1B41	SONG	49**	17054
CVEN 5831	001	*	CONSTRUCTION MATERIALS	MWF	800-850	ECCE 1B47	XI	25**	35707
CVEN 7511	001		COMP FIN INELAST MULTIPHASE	TUTH	930-1045	ECCE 1B41	REGUEIRO	30	33498
CVEN 7511	001B		COMP FIN INELAST MULTIPHASE		DISTANCE	SECTION	REGUEIRO	15	33499
STRUCTURES									
CVEN 5525	001	*	MATRIX STRUCTURES ANALYSIS	TUTH	1100-1215	ECCE 1B47	SOUMA	27**	15202
CVEN 5575	001		ADVANCED STEEL DESIGN	TUTH	1230-145	KCEN N252	HEARN	20	17211
WATER									
CVEN 5313	001		ENVIRONMENTAL FLUID MECHANICS	MW	215-330	SEEC N126	CRIMALDI	28	17212
CVEN 5323	002		APPLIED STREAM ECOLOGY	TUTH	1030-1145	SEEC N129	MCKNIGHT	28	39981
CVEN 5333	001		PHYS HYDROL/HYDROCLIMATOLOGY	TUTH	1200-115	SEEC N129	GOOSEFF	30	16760
CVEN 5353	001	*	GROUNDWATER HYDROLOGY	TUTH	800-915	ECCR 245	NEUPAUER	106**	15193
CVEN 5423	001		WATER RESOURCES ENGINEERING	TUTH	130-245	SEEC N128	KASPRZYK	30	16928
CVEN 6393	001		WATER RESOURCES SEMINAR (1.0)	W	1100-1150	ECCE 1B41	BALAJI	48	15194
CVEN 6833	001		ADVANCED DATA ANALYSIS	TUTH	1030-1145	SEEC N126	BALAJI	30	17335