

Q2S Binder for Civil Engineering

General Info

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Department/School Info

College: ENT(null)

Department: CE(Civil Engineering)

Mission: Our mission is to prepare graduates to successfully apply the principles of Civil Engineering.

The program educational objectives of the Department of Civil Engineering are that the graduates of the program will:

1. Have an understanding of the fundamental engineering principles to solve problems and advance knowledge base;
2. Develop leadership skills necessary to assume progressively more responsible roles in their professions;
3. Develop effective communication skills necessary to interact in a diverse professional environment; and
4. Be able to employ modern engineering and computational tools.

In order to meet these objectives, the Department of Civil Engineering has established program educational outcomes. These outcomes are as follows:

1. Students will obtain knowledge in -- (a) mathematics; (b) science; (c) engineering; (d) experimental procedures/processes; and (e) design.
2. Students will attain the ability to -- (a) function on multidisciplinary teams; (b) understand professional and ethical responsibilities; (c) deliver effective oral and written communication; (d) understand engineering impacts on current and future societal concerns; and (e) engage in life-long learning.
3. Students will attain skills in the use of state-of-the-art and state-of-the-practice facilities and equipment.

Programs

Moving to Semesters	Code	Name	Degree	Status	Level
Yes	BS7252	CIVIL ENGINEERING	BACHELOR OF SCIENCE IN CIVIL ENGINEERING	REVIEW	UCC
Yes	CTCNST	CONSTRUCTION MANAGEMENT CERTIF	CONSTRUCTION MANAGEMENT CERTIFICATE	REVIEW	UCC
Yes	MS7252	CIVIL ENGINEERING	MASTER OF SCIENCE	REVIEW	UCC
Yes	PH7252	CIVIL ENGINEERING	DOCTOR OF PHILOSOPHY	REVIEW	UCC
Yes	SCCE	CE Shared Components	CE Shared Components	REVIEW	UCC
Yes	SCC E	SCC E Shared Components	N/A	REVIEW	UCC

Courses

Course ID	Name	Course Type	Doc. Type	Doc. Status	Review Level
CE 2000	C E FUNDAMENTALS		SEMESTER	REVIEW	UCC
CE 2010	C E COMPUTATIONAL TECHNI		EXPEDITED	REVIEW	UCC
CE 2100	PLANE SURVEYING		EXPEDITED	REVIEW	UCC
CE 2160	CONSTRUCTION ENGR & MGMT		EXPEDITED	REVIEW	UCC
CE 3110	ROUTE ENGINEERING		SEMESTER	REVIEW	UCC
CE 3300	STRUCT THEORY I		EXPEDITED	REVIEW	UCC
CE 3310	STRUCT THEORY II		SEMESTER	REVIEW	UCC
CE 3400	FLUID MECHANICS		EXPEDITED	REVIEW	UCC
CE 3410	HYDRAULICS LAB		SEMESTER	REVIEW	UCC
CE 3420	APP HYDRAULICS & Hydrology		COMPOSITE	REVIEW	UCC
CE 3530	ENVIRON ENG BASICS		SEMESTER	REVIEW	UCC
CE 3610	TRANSPORTATION ENGR		SEMESTER	REVIEW	UCC
CE 3700	GEOTECHNICAL ENGINEERING		SEMESTER	REVIEW	UCC
CE 3710	SOIL ENGINEERING LAB		SEMESTER	REVIEW	UCC
CE 3800	CE MATERIALS		SEMESTER	REVIEW	UCC
CE 4000	SOCIETAL CONCERNS IN C E		SEMESTER	REVIEW	UCC
CE 4100	APPL BOUND SURVEY		EXPEDITED	REVIEW	UCC
CE 4150	GEODETIC SURVEYING		EXPEDITED	REVIEW	UCC

CE 4160	CON ESTIMATE & EQUIPMENT		COMPOSITE	REVIEW	UCC
CE 4170	CONSTRUCTION PLAN & SCHED		SEMESTER	REVIEW	UCC
CE 4190	PROJECT DEVELOP, CON, & LAW		COMPOSITE	REVIEW	UCC
CE 4240	STRENGTH OF MTLs II		SEMESTER	REVIEW	UCC
CE 4280	EXP METHODS IN CE		SEMESTER	REVIEW	UCC
CE 4320	CONCRETE DESIGN		EXPEDITED	REVIEW	UCC
CE 4330	STEEL DESIGN		EXPEDITED	REVIEW	UCC
CE 4370	TIMBER DESIGN		SEMESTER	REVIEW	UCC
CE 4380	PRESTRESSED CONCRETE DES		SEMESTER	REVIEW	UCC
CE 4450	FLOW ROUTING		SEMESTER	REVIEW	UCC
CE 4500	WATER & WASTEWE ENG		COMPOSITE	REVIEW	UCC
CE 4530	SOLID/HAZ WASTE TREAT/DIS		COMPOSITE	REVIEW	UCC
CE 4540	SUSTAINABLE CONST		SEMESTER	REVIEW	UCC
CE 4570	WATER RESOURCES		SEMESTER	REVIEW	UCC
CE 4580	WATER QUALITY ENGR.		COMPOSITE	REVIEW	UCC
CE 4630	INTRO HIGHWAY SAFETY	UNDERGRAD	SEMESTER	REVIEW	UCC
CE 4640	TRANSP PLANNING	UNDERGRAD	SEMESTER	REVIEW	UCC
CE 4670	TRAFFIC SIGNAL SYSTEMS		SEMESTER	REVIEW	UCC
CE 4710	FOUNDATION ENGR		SEMESTER	REVIEW	UCC
CE 4740	SOIL MECHANICS LAB		SEMESTER	REVIEW	UCC
CE 4760	SOIL STABIL		EXPEDITED	REVIEW	UCC
CE 4820	BITUM PVG MTL & MIX		SEMESTER	REVIEW	UCC
CE 4830	PRIN OF PAVE DESIGN		SEMESTER	REVIEW	UCC
CE 4910	SR DES - LAND DEV	TIER3	EXPEDITED	REVIEW	UCC
CE 4911	SR DES-ENV/WATER RE	TIER3	EXPEDITED	REVIEW	UCC
CE 4912	SR DES-STR/FND	TIER3	EXPEDITED	REVIEW	UCC
CE 4913	SENIOR DESIGN-SPEC PROJ	UNDERGRAD	EXPEDITED	REVIEW	UCC
CE 4918	CEM UNDERGRAD INTERNSHIP		EXPEDITED	REVIEW	UCC
CE 4940	UNDERGRAD RESEARCH EXPER		EXPEDITED	REVIEW	UCC
CE 5100	APPL BOUND SURVEY	GRADUATE	EXPEDITED	REVIEW	UCC
CE 5150	GEODETIC SURVEYING	GRADUATE	EXPEDITED	REVIEW	UCC
CE 5160	CON ESTIMATE & EQUIPMENT	GRADUATE	COMPOSITE	REVIEW	UCC
CE 5170	CON PLAN & SCHEDULING		EXPEDITED	REVIEW	UCC
CE 5190	PROJECT DEVELOP, CON, & LAW	GRADUATE	COMPOSITE	REVIEW	UCC
CE 5200	FIN EL METH-ENGR		SEMESTER	REVIEW	UCC
CE 5240	STRENGTH OF MTLs II	GRADUATE	SEMESTER	REVIEW	UCC
CE 5250	ADV STRENGTH OF MTL		SEMESTER	REVIEW	UCC
CE 5260	THEORY OF STABILITY		SEMESTER	REVIEW	UCC
CE 5270	EXPER STRESS ANAL		SEMESTER	REVIEW	UCC
CE 5280	THEORY OF ELAST		SEMESTER	REVIEW	UCC
CE 5310	EXP METH-STRUC DYN		SEMESTER	REVIEW	UCC
CE 5350	ADV STEEL DESIGN	GRADUATE	SEMESTER	REVIEW	UCC
CE 5360	ADV REIN CONCRETE DESIGN		SEMESTER	REVIEW	UCC
CE 5370	TIMBER DESIGN	GRADUATE	SEMESTER	REVIEW	UCC
CE 5380	PRESTRESSED CONCRETE DES		SEMESTER	REVIEW	UCC
CE 5400	WATER RESOURCES		SEMESTER	REVIEW	UCC
CE 5410	STOCHASTIC HYDROLOG		SEMESTER	REVIEW	UCC
CE 5420	APP HYDRAULICS & Hydrology	GRADUATE	COMPOSITE	REVIEW	UCC
CE 5430	OPEN CHAN HYDRAULIC		SEMESTER	REVIEW	UCC
CE 5450	DES-HYDRAULIC STRUC		SEMESTER	REVIEW	UCC
CE 5530	SOLID/HAZ WASTE TREAT/DIS	GRADUATE	COMPOSITE	REVIEW	UCC
CE 5540	SUSTAINABLE CONST	GRADUATE	SEMESTER	REVIEW	UCC
CE 5580	WATER QUALITY ENGR.	GRADUATE	COMPOSITE	REVIEW	UCC
CE 5630	INTRO HIGHWAY SAFETY	GRADUATE	SEMESTER	REVIEW	UCC
CE 5670	TRAFFIC ENGINEERING		SEMESTER	REVIEW	UCC
CE 5700	GEOTECHNICAL ENGINEERING	GRADUATE	SEMESTER	REVIEW	UCC
CE 5720	ADV SOIL MECHANICS		SEMESTER	REVIEW	UCC
CE 5740	SOIL MECHANICS LAB	GRADUATE	SEMESTER	REVIEW	UCC
CE 5750	ADV FOUNDATION ENGR		SEMESTER	REVIEW	UCC
CE 5760	SOIL STABIL	GRADUATE	EXPEDITED	REVIEW	UCC
CE 5770	ROCK MECHANICS & DESIGN		SEMESTER	REVIEW	UCC
CE 5820	BITUM PVG MTL & MIX	GRADUATE	SEMESTER	REVIEW	UCC
CE 5830	PRIN OF PAVE DESIGN	GRADUATE	SEMESTER	REVIEW	UCC
CE 5860	PLATES & SHELLS	GRADUATE	SEMESTER	REVIEW	UCC
CE 5880	SOIL DYNAMICS		SEMESTER	REVIEW	UCC

CE 5940	SPECIAL INVESTIGATION		SEMESTER	REVIEW	UCC
CE 6150	HEAVY CONST MANAGEMENT		SEMESTER	REVIEW	UCC
CE 6160	COMPUTER AIDED CONST MANAG		SEMESTER	REVIEW	UCC
CE 6170	CONSTR PRODUCTIVITY		SEMESTER	REVIEW	UCC
CE 6180	PROJ RISK MANAGE	GRADUATE	SEMESTER	REVIEW	UCC
CE 6230	CONTINUUM MECHANICS I		SEMESTER	REVIEW	UCC
CE 6250	FINITE ELEM IN MECH	GRADUATE	SEMESTER	REVIEW	UCC
CE 6310	STRUCT RELIABILITY	GRADUATE	SEMESTER	REVIEW	UCC
CE 6320	STRUCTURAL DYNAMICS		SEMESTER	REVIEW	UCC
CE 6330	EARTHQ ENG	GRADUATE	SEMESTER	REVIEW	UCC
CE 6340	BRIDGE ENG	GRADUATE	SEMESTER	REVIEW	UCC
CE 6345	BRIDGE DESIGN	GRADUATE	SEMESTER	REVIEW	UCC
CE 6500	CHEM FATE AND TRANSPORT		SEMESTER	REVIEW	UCC
CE 6530	ENVIRO GEOTECH I		EXPEDITED	REVIEW	UCC
CE 6550	AD WATER TREATMENT		SEMESTER	REVIEW	UCC
CE 6560	ADV WASTEWTR TREAT		SEMESTER	REVIEW	UCC
CE 6590	SUR WATER QUAL MOD		SEMESTER	REVIEW	UCC
CE 6610	ENVIRO ANALYSIS TRANS SYS		SEMESTER	REVIEW	UCC
CE 6620	TRANS DESIGN I	GRADUATE	SEMESTER	REVIEW	UCC
CE 6630	HIGHWAY SAFE & RISK MANAG	GRADUATE	SEMESTER	REVIEW	UCC
CE 6640	URB TRANSP PLAN	GRADUATE	SEMESTER	REVIEW	UCC
CE 6650	TRAFFIC IMPACT	GRADUATE	SEMESTER	REVIEW	UCC
CE 6670	TRAFFIC PARAMETERS	GRADUATE	SEMESTER	REVIEW	UCC
CE 6700	COMPU METHODS GEO	GRADUATE	SEMESTER	REVIEW	UCC
CE 6840	CONSTITUTIVE EQUATIONS		SEMESTER	REVIEW	UCC
CE 6915	CIVIL ENGINEERING SEMINAR		SEMESTER	REVIEW	UCC
CE 6940	RESEARCH		SEMESTER	REVIEW	UCC
CE 6950	THESIS	THESIS	SEMESTER	REVIEW	UCC
CE 7100	ENERGY PRIN		SEMESTER	REVIEW	UCC
CE 7230	CONTIN MECH II		SEMESTER	REVIEW	UCC
CE 7290	MATH THEORY ELASTIC	GRADUATE	SEMESTER	REVIEW	UCC
CE 7300	FINITE ELEMEN II		SEMESTER	REVIEW	UCC
CE 7360	ADV CONCRETE DESIGN		SEMESTER	REVIEW	UCC
CE 7430	STOCHASTIC MODEL	GRADUATE	SEMESTER	REVIEW	UCC
CE 7500	BIOREMEDIATION		SEMESTER	REVIEW	UCC
CE 7570	SUBSURFACE REMEDIATION		SEMESTER	REVIEW	UCC
CE 7630	ADV HIGHW SAFE STUDIES	GRADUATE	SEMESTER	REVIEW	UCC
CE 7640	MASS TRANSP SYS	GRADUATE	SEMESTER	REVIEW	UCC
CE 7650	AIRPORT PLAN & DESIGN	GRADUATE	SEMESTER	REVIEW	UCC
CE 7680	ADV TRAFFIC SIGNAL OP	GRADUATE	SEMESTER	REVIEW	UCC
CE 7710	ENG BEHAVIOR SOILS	GRADUATE	SEMESTER	REVIEW	UCC
CE 7740	EXP SOIL MECHANICS	GRADUATE	SEMESTER	REVIEW	UCC
CE 7900	SPECIAL TOPICS IN CE		SEMESTER	REVIEW	UCC
CE 8530	ENVIRO GEOTECH II		SEMESTER	REVIEW	UCC
CE 8620	TRANS DESIGN II	GRADUATE	SEMESTER	REVIEW	UCC
CE 8630	Transp Safety Analysis	GRADUATE	SEMESTER	REVIEW	UCC
CE 8640	Transit Planning	GRADUATE	SEMESTER	REVIEW	UCC
CE 8670	TRAFFIC FLOW	GRADUATE	SEMESTER	REVIEW	UCC
CE 8680	PROG SYSTEMS	GRADUATE	SEMESTER	REVIEW	UCC
CE 8850	SOIL-STRUC INTERAC		SEMESTER	REVIEW	UCC
CE 8915	Seminar Teach CE	GRADUATE	SEMESTER	REVIEW	UCC
CE 8940	DOCTORAL RESEARCH		SEMESTER	REVIEW	UCC
CE 8950	DISSERTATION		SEMESTER	REVIEW	UCC

Exceptions - Credit Analysis

Course ID	Name	Type	Credit Hours	Components	Doc. Status	Review Level
CE 5940	SPECIAL INVESTIGATION	SEMESTER	1.0 - 3.0	RESEARCH	4.0 REVIEW	UCC
CE 6940	RESEARCH	SEMESTER	1.0 - 3.0	RESEARCH	4.0 REVIEW	UCC
CE 7900	SPECIAL TOPICS IN CE	SEMESTER	1.0 - 4.0	LECTURE	3.0 REVIEW	UCC
CE 8940	DOCTORAL RESEARCH	SEMESTER	1.0 - 15.0	RESEARCH	3.0 REVIEW	UCC

Exceptions - Non Three Hour Lecture

The Ohio University Faculty Senate Resolution on the Number of Semester Hours per Course and Course Meeting Times for Quarters to Semesters (<http://www.ohio.edu/facultysenate/upload/CourseHourTimeResolutionfinal4-2009.doc>) resolved that, as a norm, undergraduate lecture courses on the Athens Campus shall be 3 semester hours and that exceptions to these norms will be allowed on the basis of pedagogical justification specific to a course or course sequence.

Three-hour courses are important for balancing student schedules, and three lecture hour per week blocks are important for classroom utilization. It is understood that there are special cases where the 3-lecture hour course norm does not apply, sometimes for categories of courses (recitals or band), sometimes for disciplinary standards, and sometimes for other reasons.

For the semester courses taught by your department that do not meet the 3 lecture hour norm, give a brief explanation of why the norm was not followed and/or what circumstances make these deviations from the norm not create a problem with classroom scheduling or student schedules. (Notes: Categories of courses can be addressed as a group rather than individually. If you are using a 'disciplinary standard' argument, please make comparisons to Ohio Schools on semesters or to Ohio University peer schools on semesters. If you are using a block scheduling approach, please list the courses that will be block scheduled and identify the semester(s) where the block scheduling applies.)

Reason: Here are the reasons why the following semester courses do not meet the 3 lecture hour norm:

Fall Semester

CE 2000 ----- This is a freshman orientation class. It is a conversion of the quarter course CE 200 (1 hour).
 CE 2100 ----- This course cannot be taught effectively in lecture room alone. It must have a good balance between lecture and field laboratory work.
 CE 3700 ----- This course is a combination of CE 370 and elements of CE 471. It is impossible to cover all the topics in 3 contact hours per week.
 CE 4150 ----- This lecture course is a straight conversion of CE 415. It will be taught by a part-time instructor who can commute to the Athens campus only 2 days a week.
 CE 4280 ----- This course cannot be taught effectively in lecture room alone. It must also include 2 hours of laboratory work per week.
 CE 4500 ----- This course combines the two quarter courses CE 450 and CE 451. It is impossible to cover all the topics in 3 contact hours per week.
 CE 4580 ----- This course combined the two quarter courses CE 452 and CE 458. It is impossible to cover all the topics in 3 contact hours per week.
 CE 4910 ----- This is a senior design course, which requires 2 hours of classroom instruction and 2 hours of group session either in the field or in the computer lab per week.

[Note] Every fall CE 2000, 3700, and 4500 may be bundled together. CE 2100 and 4150 will have to be scheduled on 2 days per week (ex. Tuesdays & Thursdays). Also, CE 4280, 4580, and 4910 may be scheduled using two consecutive 3 lecture hour course blocks (ex. 9-11 on M-W-F).

Spring Semester

CE 2010 ----- This course cannot be taught effectively in lecture room alone. It must also have 2 hours of computer laboratory work per week.
 CE 4100 ----- This lecture course is a straight conversion of CE 410. It will be taught by a part-time instructor who can commute to the Athens campus only 2 days a week.
 CE 4760 ----- This course cannot be taught effectively in lecture room alone. It must include 2 hours of laboratory work per week.
 CE 4911 ----- This is a senior design course, which requires 2 hours of classroom instruction and 2 hours of group session either in the field or in the computer lab per week.
 CE 4912 ----- This is a senior design course, which requires 2 hours of classroom instruction and 2 hours of group session either in the field or in the computer lab per week.

[Note] Every spring CE 2010, 4100, and 4760 may be scheduled using two consecutive 3 lecture hour course blocks (ex. 9-11 on M-W-F).

The following is the policy statements issued by Russ College.

Q2S - Scheduling of Non-Standard Courses in Russ College

There are two primary techniques used to achieve this result. The first technique is as follows. Even on the current quarter system, a set of standard patterns of course offerings can be determined. Programs are encouraged to request course times that meet in predefined standard patterns. Three lecture hour classes that meet MWF have high priority. Four lecture hour classes that meet TR for two hours starting on an even hour have high priority. One lecture hour classes that meet on Wednesday have medium priority. Four lecture hour classes that meet MTRF have medium priority. Two lecture hour classes that meet TR for one hour or W for two hours starting on an even hour have medium priority. Everything else has low priority.

Course ID	Name	Type	Contact Hours	Doc. Status	Review Level
CE 2000	C E FUNDAMENTALS	SEMESTER	1.0	REVIEW	UCC
CE 2010	C E COMPUTATIONAL TECHNI	EXPEDITED	2.0	REVIEW	UCC
CE 2100	PLANE SURVEYING	EXPEDITED	2.0	REVIEW	UCC
CE 3700	GEOTECHNICAL ENGINEERING	SEMESTER	4.0	REVIEW	UCC
CE 4100	APPL BOUND SURVEY	EXPEDITED	1.0	REVIEW	UCC
CE 4150	GEODETIC SURVEYING	EXPEDITED	2.0	REVIEW	UCC
CE 4280	EXP METHODS IN CE	SEMESTER	2.0	REVIEW	UCC
CE 4500	WATER & WASTEWE ENG	COMPOSITE	4.0	REVIEW	UCC
CE 4580	WATER QUALITY ENGR.	COMPOSITE	2.0	REVIEW	UCC
CE 4760	SOIL STABIL	EXPEDITED	2.0	REVIEW	UCC
CE 4910	SR DES - LAND DEV	EXPEDITED	2.0	REVIEW	UCC
CE 4911	SR DES-ENV/WATER RE	EXPEDITED	2.0	REVIEW	UCC
CE 4912	SR DES-STR/FND	EXPEDITED	2.0	REVIEW	UCC
CE 4913	SENIOR DESIGN-SPEC PROJ	EXPEDITED	2.0	REVIEW	UCC