

SPRING 2017 - 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.

JANUARY 17, 2017

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         | 26622         |
|               | 011        |           | LAB  | TUTH       | 915-1045       | ECCE 141         | CAYKO/GORE        | 46         | 26623         |
|               | 012        |           | LAB  | TUTH       | 1050-1220      | ECCE 141         | CAYKO/GORE        | 46         | 33022         |
| AREN 2110     | 001        |           | THERMODYNAMICS                                     | MWF        | 1100-1150      | FLMG 157         | MONTOYA           | 84         | 26624         |
| AREN 2120     | 001        |           | FLUID MECHANICS & HEAT TRANSFER                    | TUTH       | 1230-145       | ECCR 135         | ZHAI              | 48         | 28835         |
| AREN 3060     | 001        |           | ENVIRONMENTAL SYSTEMS FOR BUILDINGS II             | TUTH       | 800-915        | FLMG 104         | WUJEK             | 48         | 26625         |
|               |            |           | <i>For ENVD students only</i>                      |            |                |                  |                   |            |               |
| AREN 4010     | 001        | *         | HVAC SYSTEM MODELING & CONTROL                     | TUTH       | 200-315        | ECCR 110         | HENZE             | 20**       | 28938         |
| AREN 4045     | 001        |           | ARCH STRUCT II FOR ARCH                            | TUTH       | 530-645        | ECCR 110         | KEELY             | 27         | 26626         |
|               |            |           | <i>For ENVD students only</i>                      |            |                |                  |                   |            |               |
| AREN 4110     | 001        | *         | HVAC SYSTEM DESIGN                                 | TUTH       | 1100-1215      | ECCR 139         | HENZE             | 27**       | 28267         |
| AREN 4130     | <b>003</b> | *         | OPTICAL DESIGN                                     | <b>MW</b>  | <b>530-645</b> | ECCE 1B47        | JONGEWAARD        | 25**       | <b>40622</b>  |
| AREN 4317     | 001        |           | AREN DESIGN (5.0)                                  | MW         | 400-515        | FLMG 154         | VASCONEZ          | 64         | 26627         |
|               |            |           | ADDITIONAL REQUIRED MEETING TIME                   | F          | 300-450        | ECCR 150         |                   |            |               |
|               |            |           | <i>Krarti/Corotis/!/Currie</i>                     |            |                | ECCE 1B41        |                   |            |               |
| AREN 4506     | 001        |           | PROJECT MANAGEMENT 1                               | TUTH       | 1230-145       | ECCR 155         | MCDIVITT          | 48         | 28362         |
| AREN 4550     | 001        | *         | ILLUMINATION II                                    | MWF        | 900-950        | ECCE 1B41        | VASCONEZ          | 48**       | 28363         |
| AREN 4606     | 001        |           | PROJECT MANAGEMENT 2                               | TUTH       | 200-315        | FLMG 33          | MORRIS            | 60         | 28365         |
| AREN 4830     | 801        |           | SP TPC-LIGHTING DESIGN CAPSTONE                    | M          | 400-650        | ENVD 102         | WRATTEN           | 24         | 28924         |
|               |            |           | <i>For ENVD Lighting Certificate students only</i> |            |                |                  |                   |            |               |
| CVEN 2012     | 010        |           | INTRO TO GEOMATICS                                 | MF         | 1200-1250      | ECCR 200         | PFEFFER           | 100        | 26628         |
|               | 011        |           | LAB  | M          | 200-450        | ECCE 1B47        | PFEFFER           | <b>20</b>  | 26629         |
|               | 012        |           | LAB  | TU         | 200-450        | ECCE 1B41        | PFEFFER           | <b>20</b>  | 26630         |
|               | 013        |           | LAB  | W          | 200-450        | ECCE 1B47        | PFEFFER           | <b>20</b>  | 26631         |
|               | 014        |           | LAB  | TH         | 200-450        | ECCE 1B41        | PFEFFER           | <b>20</b>  | 26632         |
|               | 015        |           | LAB  | F          | 200-450        | ECCE 1B47        | PFEFFER           | <b>20</b>  | 38025         |
| CVEN 2121     | 001        |           | ANALYTICAL MECHANICS I (STATICS)                   | MWF        | 100-150        | ECCR 150         | XI                | 64         | 26633         |
| CVEN 3111     | 001        |           | ANALYTICAL MECHANICS II (DYNAMICS)                 | MWF        | 1100-1150      | FLMG 154         | SONG              | 84         | 26634         |
| CVEN 3161     | 010        |           | MECHANICS OF MATERIALS I                           | MWF        | 900-950        | ECCR 265         | XI                | 106        | 26635         |
|               | 011        |           | LAB  | W          | 200-350        | ECCE 1B52        | XI                | 53         | 26636         |
|               | 012        |           | LAB  | W          | 400-550        | ECCE 1B52        | XI                | 53         | 26637         |
| CVEN 3227     | 001        |           | PROBABILITY STATS AND DECISION                     | TUTH       | 930-1045       | ECCR 200         | LIEL              | 106        | 26638         |
| CVEN 3246     | 001        |           | INTRO TO CONSTRUCTION                              | TUTH       | 1100-1215      | FLMG 157         | HALLOWELL         | 64         | 26639         |
| CVEN 3256     | 001        |           | CONSTRUCTION EQUIPMENT & METHODS                   | TUTH       | 1100-1215      | ECCR 150         | GOODRUM           | 50         | 34665         |
| CVEN 3313     | 010        |           | THEORETICAL FLUID MECHANICS                        | TUTH       | 1230-145       | ECCR 245         | CRIMALDI          | 106        | 26640         |
|               | 011        |           | REC  | M          | 300-350        | ECCR 265         | CRIMALDI          | 106        | 26641         |
| CVEN 3414     | 001        |           | FUND ENV ENGINEERING                               | MWF        | 1000-1050      | FLMG 154         | CORWIN            | 84         | 26642         |
| CVEN 3424     | 001        |           | WATER/WASTEWATER TREATMENT                         | MWF        | 1200-1250      | FLMG 154         | CORWIN            | 84         | 26643         |
| CVEN 3434     | 001        |           | INTRO TO APPLIED ECOLOGY                           | TUTH       | 930-1045       | ECCR 155         | WRITER            | 36         | 26644         |
| CVEN 3525     | 001        |           | STRUCTURAL ANALYSIS                                | TUTH       | 930-1045       | ECCR 135         | <b>COROTIS</b>    | 48         | 26645         |
| CVEN 3708     | 010        |           | GEOTECHNICAL ENGINEERING I                         | MWF        | 1000-1050      | ECCR 155         | PAK               | 40         | 26646         |
|               | 011        |           | LAB  | TU         | 200-350        | ECCE 1B53        | PAK               | 20         | 27708         |
|               | 012        |           | LAB  | TH         | 400-550        | ECCE 1B53        | PAK               | 20         | 26647         |
| CVEN 3718     | 010        |           | GEOTECHNICAL ENGINEERING II                        | MWF        | 100-150        | ECCR 155         | ZNIDARCIC         | 40         | 28094         |
|               | 011        |           | LAB  | M          | 200-350        | ECCE 1B53        | ZNIDARCIC         | 20         | 28095         |
|               | 013        |           | LAB  | W          | 200-350        | ECCE 1B53        | ZNIDARCIC         | 20         | 28097         |
| CVEN 4333     | 001        |           | ENGINEERING HYDROLOGY                              | TUTH       | 1230-145       | ECCR 105         | KASPRZYK          | 64         | 26648         |

| <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> |
|---------------|------------|-----------|--|------------|-------------|------------------|-------------------|------------|---------------|
| CVEN 4383     | 001        | *         | GROUNDWATER MODELING                     | W          | 400-630     | ECCR 155         | NEUPAUER          | 48**       | 28053         |
| CVEN 4424     | 001        | *         | ENV ORGANIC CHEMISTRY                    | TUTH       | 1100-1215   | ECCE 1B41        | RYAN              | 48**       | 26649         |
| CVEN 4434     | 001        | *         | ENV ENGR DESIGN (4.0)                    | TUTH       | 330-510     | FLMG 104         | CORWIN/WALKER     | 68**       | 28054         |
| CVEN 4484     | 001        | *         | ENV MICROBIOLOGY                         | TUTH       | 200-315     | FLMG 156         | REN               | 84**       | 26650         |
| CVEN 4545     | 001        |           | STEEL DESIGN                             | TUTH       | 800-915     | ECCR 105         | HEARN             | 68         | 26651         |
| CVEN 4565     | 001        |           | TIMBER DESIGN                            | TUTH       | 1230-145    | ECCE 1B41        | SRUBAR            | 42         | 34673         |
| CVEN 4833     | 001        | *         | SP TPC-OPEN CHANNEL HYDRAULICS           | TUTH       | 1230-145    | ECCR 139         | GOOSEFF           | 27**       | 34674         |
| CVEN 4834     | 001        |           | SP TPC-SUSTAINABILITY PRINCIPLES FOR ENG | MWF        | 1100-1150   | ECCR 150         | COOK              | 64         | 28283         |
| CVEN 4834     | 003        | *         | SP TPC-WASH                              | MW         | 300-415     | ECCR 108         | LINDEN            | 27**       | 34922         |
| CVEN 4837     | 001        | *         | SP TPC-SYST APPROACH TO GLOBAL ENGRG     | TUTH       | 800-915     | ECCR 150         | AMADEI            | 48**       | 28366         |
| CVEN 4899     | 001        |           | CIVIL ENGRG SENIOR PROJECT DESIGN (4.0)  | TUTH       | 330-530     | FLMG 156         | MORRIS            | 64         | 28687         |

*Rec/Studio: Dashti, Balaji, TBA*

|           |     |   |                       |      |           |           |               |      |       |
|-----------|-----|---|-----------------------|------|-----------|-----------|---------------|------|-------|
| EVEN 4424 | 001 | * | ENV ORGANIC CHEMISTRY | TUTH | 1100-1215 | ECCE 1B41 | RYAN          | 48** | 28685 |
| EVEN 4434 | 001 | * | ENV ENGR DESIGN (4.0) | TUTH | 330-510   | FLMG 104  | CORWIN/WALKER | 68** | 28758 |
| EVEN 4484 | 001 | * | ENV MICROBIOLOGY      | TUTH | 200-315   | FLMG 156  | REN           | 84** | 28686 |
| EVEN 4830 | 001 | * | SP TPC-WASH           | MW   | 300-415   | ECCR 108  | LINDEN        | 27** | 34924 |

**OTHER COURSES TAUGHT BY CEAE FACULTY**

|           |     |  |                  |     |         |          |        |     |       |
|-----------|-----|--|------------------|-----|---------|----------|--------|-----|-------|
| MCEN 3032 | 001 |  | THERMODYNAMICS 2 | MWF | 200-250 | ECCR 265 | WALKER | 125 | 28264 |
|-----------|-----|--|------------------|-----|---------|----------|--------|-----|-------|

**OTHER REQUIRED COURSES LISTED TO PREVENT CONFLICTS**

|           |     |  |   |      |          |           |           |     |       |
|-----------|-----|--|---|------|----------|-----------|-----------|-----|-------|
| CHEN 1310 | 100 |  | ENGINEERING COMPUTING                   | TUTH | 800-915  | MATH 100  | NUTTELMAN | 225 | 28507 |
| ENVD 3134 | 001 |  | HISTORY & THEORY OF ENVD MED: PRECINCTS | TUTH | 930-1045 | MCOL W100 |           | 160 | 15457 |

**DELETED**

|           |      |   |   |      |           |           |               |      |       |
|-----------|------|---|---|------|-----------|-----------|---------------|------|-------|
| CVEN 5830 | 001  |   | SP TPC-DATA SCI FOR ENERGY & BUILDINGS  | TUTH | 330-445   |           | HENZE         | 20   |       |
| CVEN 5834 | 002  |   | SP TPC-TBA                              | MW   | 115-230   | SEEC N126 | ROSARIO-ORTIZ | 28   | 34677 |
| CVEN 5838 | 001  |   | SP TPC-TBA                              | TUTH | 1100-1215 | FLMG 102  | POURAHMIDIAN  | 20   | 34681 |
| AREN 4560 | 001  | * | LUMINOUS RADIATIVE TRANSFER             | MWF  | 100-150   | ECCR 110  | BEAMER        | 27** | 28487 |
| CVEN 5830 | 003  | * | SP TPC-LUMINOUS RADIATIVE TRANSFER      | MWF  | 100-150   | ECCR 110  | BEAMER        | 27** | 28488 |
| AREN 4830 | 800  |   | SP TPC-ARCHITECTURAL DAYLIGHTING DESIGN | TUTH | 1100-1215 | ECCR 135  | BEAMER        | 48   | 28291 |
| CVEN 7161 | 001  |   | FRACTURE MECHANICS                      | TUTH | 200-315   | ECCE 1B47 | SAOUMA        | 25   | 37118 |
| CVEN 3718 | 012  |   | LAB                                     | M    | 400-550   | ECCE 1B53 | ZNIDARCIC     | 16   | 28096 |
| EVEN 1001 | 001  |   | ENVIRONMENTAL ENGINEERING 101           | MWF  | 300-350   | FLMG 154  | HERNANDEZ     | 48   | 34912 |
| CVEN 5788 | 001  |   | COMPUTATIONAL MODELING IN GEOTECH       | TUTH | 800-915   | ECCE 1B41 | REGUEIRO      | 30   | 34680 |
| CVEN 5788 | 001B |   | COMPUTATIONAL MODELING IN GEOTECH       |      | DISTANCE  | SECTION   | REGUEIRO      | 10   | 34952 |
| CVEN 7718 | 001  |   | ENGINEERING PROPERTIES OF SOILS         | MWF  | 1100-1150 | ECCR 110  | ZHANG         | 27   | 34682 |
| CVEN 5343 | 001  |   | TRANSPORT/DISPERSION OF SURFACE WATER   | TUTH | 330-445   | ECCR 139  | RAJARAM       | 27   | 28936 |

*GRADUATE COURSES ARE LISTED ON PAGE 3*

| <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> |
|-------------------------|------------|-----------|--|------------|-------------|------------------|-------------------|------------|---------------|
| <b>BUILDING SYSTEMS</b> |            |           |  |            |             |                  |                   |            |               |
| AREN 5010               | 001        | *         | HVAC SYSTEM MODELING & CONTROL           | TUTH       | 200-315     | ECCR 110         | HENZE             | 20**       | 28939         |
| AREN 5020               | 001        |           | BUILDING ENERGY AUDITS                   | TUTH       | 930-1045    | ECCE 1B41        | KRARTI            | 20         | 34653         |
| AREN 5110               | 001        | *         | HVAC SYSTEM DESIGN                       | TUTH       | 1100-1215   | ECCR 139         | HENZE             | 27**       | 28683         |
| AREN 5130               | 003        | *         | OPTICAL DESIGN                           | MW         | 530-645     | ECCE 1B47        | JONGEWAARD        | 25**       | 40623         |
| CVEN 5830               | 002        | *         | SP TPC-ILLUMINATION II                   | MWF        | 900-950     | ECCE 1B41        | VASCONEZ          | 48**       | 28364         |
| <b>CIVIL SYSTEMS</b>    |            |           |  |            |             |                  |                   |            |               |
| CVEN 5565               | 001        |           | LIFE-CYCLE ENGINEERING                   | TUTH       | 330-445     | ECCR 155         | COROTIS           | 48         | 26655         |
| CVEN 5837               | 001        | *         | SP TPC-SYST APPROACH TO GLOBAL ENGRG     | TUTH       | 800-915     | ECCR 150         | AMADEI            | 48**       | 28367         |
| <b>CONSTRUCTION</b>     |            |           |  |            |             |                  |                   |            |               |
| CVEN 5206               | 001        |           | DESIGN DEVELOPMENT                       | TH         | 800-1050    | ECCE 1B47        | MATHESON          | 25         | 28857         |
| CVEN 5246               | 001        |           | LEGAL ASPECTS OF CONSTRUCTION            | TH         | 500-750     | ECCE 1B41        | WALSH/HOLT        | 25         | 28271         |
| CVEN 5836               | 001        |           | SP TPC-DISCRETE EVENT & BIM FOR CONST    | TUTH       | 330-445     | ECCE 1B47        | GOODRUM           | 15         | 28272         |
| <b>EDC</b>              |            |           |  |            |             |                  |                   |            |               |
| CVEN 5929               | 002        |           | SUSTAINABLE COMMUNITY DEVELOPMENT II     | M          | 1030-100    | ECCE 1B41        | AMADEI/SMITH      | 25         | 39337         |
| CVEN 5939               | 900        |           | SCD PRACTICUM                            | -          | -           | -                | AMADEI            | 30         | 27997         |
| <b>ENVIRONMENTAL</b>    |            |           |  |            |             |                  |                   |            |               |
| CVEN 5424               | 002        |           | ENV ORGANIC CHEMISTRY                    | MWF        | 915-1005    | SEEC N129        | ROSARIO-ORTIZ     | 30         | 39327         |
| CVEN 5434               | 001        | *         | ENV ENGR DESIGN                          | TUTH       | 330-510     | FLMG 104         | CORWIN/WALKER     | 68**       | 28055         |
| CVEN 5484               | 002        | *         | APPLIED MICROBIOLOGY & TOXICOLOGY        | TUTH       | 200-315     | FLMG 156         | REN               | 84**       | 40624         |
| CVEN 5524               | 001        |           | WATER TREATMENT                          | TUTH       | 1030-1145   | SEEC N126        | SUMMERS           | 28         | 28937         |
| CVEN 5564               | 001        |           | WATER PROF: LEADERSHIP & COMM            | W          | 330-615     | ECCE 1B41        | KUCHENRITHER      | 30         | 28186         |
| CVEN 5564               | 001B       |           | WATER PROF: LEADERSHIP & COMM            |            | DISTANCE    | SECTION          | KUCHENRITHER      | 15         | 28794         |
| CVEN 5834               | 001        |           | SP TPC-SMALL SYSTEM WWW TREATMENT        | M          | 200-430     | ECCE 1B41        | SILVERSTEIN       | 30         | 28942         |
| CVEN 5834               | 001B       |           | SP TPC-SMALL SYSTEM WWW TREATMENT        |            | DISTANCE    | SECTION          | SILVERSTEIN       | 15         | 28795         |
| CVEN 5834               | 003        |           | SP TPC-EMERG TECH: MICROB ELCTROCHEM     | TU         | 900-1130    | SEEC S265        | REN               | 16         | 34925         |
| <b>GEOTECH</b>          |            |           |  |            |             |                  |                   |            |               |
| CVEN 5748               | 001        |           | DESIGN OF EARTH STRUCTURES               | TUTH       | 330-445     | ECCR 110         | ZNIDARCIC         | 20         | 34679         |
| CVEN 5818               | 001        |           | GEOTECH EARTHQUAKE ENGIN                 | TUTH       | 930-1045    | ECCR 131         | DASHTI            | 27         | 28056         |
| <b>MECHANICS</b>        |            |           |  |            |             |                  |                   |            |               |
| CVEN 5131               | 001        |           | CONTINUUM MECHANICS & ELASTICITY         | MWF        | 900-950     | ECCR 139         | PAK               | 20         | 27724         |
| CVEN 5831               | 002        |           | SP TPC-WAVE-BASED METHODS & APPLICATIONS | MW         | 1230-145    | ECCE 1B47        | POURAHMADIAN      | 25         |               |
| <b>STRUCTURES</b>       |            |           |  |            |             |                  |                   |            |               |
| CVEN 5585               | 002        |           | ADV TOPICS REINFORCED CONCRETE DES       | TUTH       | 200-315     | ECCE 1B47        | SAOUMA            | 25         |               |
| CVEN 5835               | 001        |           | SP TPC-EXPER METHODS IN STRUCTURAL ENG   | TUTH       | 1100-1215   | ECCE 1B47        | SIDERIS           | 25         | 28371         |
| CVEN 6595               | 001        |           | EARTHQUAKE ENGINEERING (7.5 WKS)         | TUTH       | 1230-145    | ECCE 1B47        | LIEL              | 25         | 27884         |
|                         |            |           | ADDITIONAL REQUIRED MEETING TIME         | MW         | 1100-1215   | ECCE 1B47        |                   |            |               |
| <b>WATER</b>            |            |           |  |            |             |                  |                   |            |               |
| CVEN 5383               | 001        | *         | GROUNDWATER MODELING                     | W          | 400-630     | ECCR 155         | NEUPAUER          | 48**       | 28002         |
| CVEN 5393               | 002        |           | WATER/RESOURCE DEVELOPMENT/MGMT          | TUTH       | 900-1015    | SEEC N128        | KASPRZYK          | 30         |               |
| CVEN 5454               | 001        |           | STATISTICAL METH FOR NATURAL/ENGRD SYS   | TUTH       | 1100-1215   | ITLL 1B50        | BALAJI            | 48         | 26653         |
| CVEN 5833               | 001        | *         | SP TPC-OPEN CHANNEL HYDRAULICS           | TUTH       | 1230-145    | ECCR 139         | GOOSEFF           | 27**       | 28907         |
| CVEN 5833               | 002        |           | SP TPC-SURFACE WATER QUALITY MODELING    | MW         | 915-1030    | SEEC S125        | GOOSEFF           | 20         | 34676         |
| CVEN 6393               | 001        |           | WATER RESOURCES SEMINAR (1.0)            | W          | 1100-1150   | ECCE 1B41        | BALAJI            | 48         | 26654         |