

# Course Schedule - Spring 2006

## Civil and Environmental Engineering

**598 Special Topics** Credit: 1 to 4 hours.

Structured presentations of new and developing areas of knowledge in civil engineering at an advanced graduate level. Prerequisite: Individually identified for each offering under this course number; see Schedule.

| CRN  | Type               | Section | Time                | Days | Location                                       | Instructor |
|--|--------------------|---------|---------------------|------|--|------------|
| 31759  | lecture-discussion | ABM     | 08:00 AM - 08:50 AM | MWF  | room B222<br>Newmark Civil<br>Engineering Bldg | Buttler, W |
| 31759: 4 hours ADVANCED BITUMINOUS MATLSSECTION ABM: ADVANCED BITUMINOUS MATERIALS. PREREQ: CEE 405. 4 HOURS.  |                    |         |                     |      |  |            |
| 31761  | lecture-discussion | ART     | 04:00 PM - 05:20 PM | MW   | room B222<br>Newmark Civil<br>Engineering Bldg | Barkan, C  |
| 31761: 3 hours Advances in Railway TechnologySECTION ART: ADVANCES IN RAILWAY TECHNOLOGY. PREREQ: CEE 310, and CEE 498 RT OR CEE 498 RC OR CEE 498 RO, OR CONSENT OF INSTRUCTOR. 3 HOURS.  |                    |         |                     |      |  |            |
| 44745  | lecture-discussion | CB3     | 10:00 AM - 11:50 AM | TR   | room 2100<br>1NCSA                             | Hajjar, J  |
| 44745: 3 hours CONSQ-BASED EARTHQK ENGRSECTION CB3: CONSEQUENCE-BASED EARTHQUAKE ENGINEERING. PREREQ: GRADUATE STUDENTS IN CEE. THE COURSE WILL INCLUDE AN OPTION FOR STUDENTS WITH NON-ENGINEERING BACKGROUNDS. 3 HOURS.                        |                    |         |                     |      |  |            |
| 44746  | lecture-discussion | CB4     | 10:00 AM - 11:50 AM | TR   | room 2100<br>1NCSA                             | Hajjar, J  |
| 44746: 4 hours CONSQ-BASED EARTHQK ENGRSECTION CB4: CONSEQUENCE-BASED EARTHQUAKE ENGINEERING. PREREQ: GRADUATE STUDENTS IN CEE. THE COURSE WILL INCLUDE AN OPTION FOR STUDENTS WITH NON-ENGINEERING BACKGROUNDS. A PROJECT IS REQUIRED. 4 HOURS. |                    |         |                     |      |  |            |
| 45020  | lecture-discussion | CDM     | 11:00 AM - 12:20 PM | TR   | room 1304<br>Siebel Center for<br>Comp Sci     | Boukamp, F |
| 45020: 4 hours CONST PROC & DATA MODELINGSECTION CDM: CONSTRUCTION PROCESS AND DATA MODELING. PREREQ: TWO OUT OF CEE 420, CEE 421, CEE 422. 4 HOURS.   |                    |         |                     |      |  |            |
| 44955  | lecture-discussion | DS      | 12:00 PM - 01:50 PM | MW   | room 1233<br>Newmark Civil<br>Engineering Bldg | Gavlin, N  |
| 44955: 4 hours DESIGN OF STRUCT SYSTEMS, ISECTION DS: DESIGN OF STRUCTURAL SYSTEMS, II. PREREQ: CREDIT OR CONCURRENT REGISTRATION IN BOTH CEE 462 AND CEE 463. 4 HOURS.  |                    |         |                     |      |  |            |
| 44809  | lecture-discussion | EH      | 12:00 PM - 01:50 PM | MW   | room 1518 Civil<br>Eng<br>Hydrosystems<br>Lab  | Garcia, M  |
| 44809: 4 hours ENVIRONMNTL HYDRODYNAMICSSSECTION EH: ENVIRONMENTAL HYDRODYNAMICS.  |                    |         |                     |      |  |            |

PREREQ: CEE 451. 4 HOURS.

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| 44756 | lecture-discussion | HHV | 10:00 AM - 10:50 AM | MWF | room B222<br>Newmark Civil<br>Engineering Bldg | Sivapalan, M |
|       | lecture-discussion | HHV | 11:00 AM - 11:50 AM | F   | room B222<br>Newmark Civil<br>Engineering Bldg | Sivapalan, M |

: 4 hours HYDRAULC & HYDRO VARIABLTYSECTION HHV: HYDRAULIC & HYDROCLIMATIC VARIABILITY. PREREQ: CEE 350, CEE 450 OR EQUIVALENT. 4 HOURS. MEETS WITH GEOG 595, SECTION HHV.

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| 44458 | lecture-discussion | LSA | 02:00 PM - 02:50 PM | MWF | room 1233<br>Newmark Civil<br>Engineering Bldg | Ouyang, Y |
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44458: 4 hours LOGISTICS SYSTEM ANALYSISSECTION LSA: LOGISTICS SYSTEM ANALYSIS. PRE-REQ: NONE 4HRS

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| 40458 | lecture-discussion | MWT | 09:00 AM - 10:50 AM | TR | room 403B2<br>Engineering Hall | Shannon, M |
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40458: 4 hours Materls for Watr TreatmentSECTION MWT: MATERIALS FOR WATER TREATMENT. PREREQ: CONSENT OF INSTRUCTOR. .4 HOURS. MEETS WITH MIE 598.

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| 31764 | lecture-discussion | PM | 08:00 AM - 08:50 AM | MWF | room 1111<br>Siebel Center for<br>Comp Sci | Carpenter, S |
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31764: 4 hours Pavement ManagementSECTION PM: PAVEMENT MANAGEMENT. PREREQ: CEE 406. 4 HOURS.

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| 44816 | lecture | RMD | 06:00 PM - 08:50 PM | TR | room 1518 Civil<br>Eng<br>Hydrosystems<br>Lab | Parker, G |
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44816: 4 hours RIVER MORPHODYNAMICSSECTION RMD: RIVER MORPHODYNAMICS. PREREQ: BASIC UNDERSTANDING OF OPEN CHANNEL FLOW. 4 HOURS.

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| 39740 | lecture-discussion | RVB | 08:30 AM - 09:50 AM | TR | room 1233<br>Newmark Civil<br>Engineering Bldg | Cai, X |
|-------|--------------------|-----|---------------------|----|--|--------|

39740: 4 hours River Basin ManagementSECTION RVB: RIVER BASIN MANAGEMENT. PREREQ: CEE 350 OR EQUIVALENT; RECOMMENDATION CEE 450, A COLLEGE COURSE ON PROBABILITY AND STATISTICS AND MATHEMATICAL PROGRAMMING. 4 HOURS.