Florida Institute of Technology

ADDING A NEW COURSE TO THE CURRICULUM

This course is available for student registration only after the approval process has been completed.

Subject: CVE

Course No.: 3032

Credit Hours: 3

Term to be added to the file: Sp 03

Class Hours: ___________________________ Lecture Hours: ___________________________

Lab Hours: ___________________________ Contact Hours (CEU only): _______________________

Department: CVE ENGINEERING

(e.g., Computer Sciences)

Schedule Type: ___________________________

College/School

☐ College of Engineering-01

☐ College of Science and Liberal Arts (science)-20

☐ School of Aeronautics-03

☐ College of Science and Liberal Arts (liberal arts)-21

☐ School of Management-22

☐ School of Psychology-06

Computer Title (restricted to 25 spaces, including blanks): HYDRAULICS AND HYDROLOGY

Catalog Title: HYDRAULICS AND HYDROLOGY

Catalog Description of Course (limited to 350 characters, including spaces)

Topics include steady flow in open channels, analysis of water surface profiles, channel design; measurements and estimation of components in the hydrologic cycle; unit hydrograph theory; statistical design methods; and hydrologic routing.

In addition, you may attach a course syllabus and/or more detailed description.

Restrictions

☐ Prerequisite: CVE 3030

Corequisite: ___________________________

Grades to be issued

☐ A, B, C, D, F

☐ S, U

☐ P, F

☐ Other

Additional Restriction: ___________________________

(e.g., major, class level, department head approval)

If this course replaces a course currently offered in BANNER, please indicate old course information.

Subject: CVE

Course No.: 3032

CVE

APPROVALS

Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee for approval below and forward to Catalog Coordinator.

Organizer:

Date: 1/23/04

Chair, Graduate Council

Date: ___________________________

Department Chair/Program Chair

Date: 1/23/04

Chair, Undergraduate Curriculum Committee

Date: 1/26/04

CATALOG COORDINATOR

Date: ___________________________

REGISTRAR'S USE ONLY

SCACRSE: ___________________________

SCADETL: ___________________________

SCAPREQ: ___________________________

SCABASE: ___________________________

SCARRS: ___________________________

Operator Init: ___________________________

Date: ___________________________

Florida Institute of Technology • Office of the Registrar

150 West University Boulevard, Melbourne, FL 32901-6975 • (321) 674-8136 • Fax (321) 674-7827

PG-397-010
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12  3/22  S-Curve and Lagging Methods
     H, 7.8.3
3/24  Exam 2 (20%)
13  3/29  Exam 2 Review, Routing
     3/31  Hydrologic Reservoir Routing
     8.2.1
14  4/5   Hydrologic Reservoir & River Routing
     8.2.2, 8.2.3, 8.4.3
     4/7   Hydrologic River Routing
     8.4.4, 8.4.5
15  4/12  Hydrologic Data Series, Estimation
     of a T-year Flood by Counting
     H, 12.1.1, 12.1.2
     4/14  Estimation of a T-year Flood by
     Frequency Factors
     12.3.4, 12.3.5, 12.3.6
16  4/19  Discrete Statistics, Course Review
     12.1.3, 12.1.4
     4/21  Guest Lecture

TEXT 1: Introduction to Fluid Mechanics (7th Edition)
Authors: Crowe, Elger & Roberson

TEXT 2: Applied Hydrology
Authors: Chow et al.

REFERENCE: Fundamentals of Hydraulic Engineering
Author: Prasuhn

Final Exam (30%): Thursday, April 29, 8:00-10:00 AM

Five Quizzes (15%), Homework (10%), Projects 1 and 2 (5%); H: handout problems or problems given in class,
P: problems from text book by Prasuhn

Other Comments

1. Make an appointment to see me if you cannot make it during office hours (ext. 7151)
2. Regular attendance is very important (crucial!)
3. Homework folder will be graded (approximately 7-8 times); solutions, or hints for completing solutions, for HW
   problems, can be obtained from Dr. Pandit if some work is presented.
4. Bring your work with you when you come to see me for help. This should include lecture notes and your complete
   or incomplete solution to the problem; solutions on scratch paper are not accepted.
5. A: 85% or above, B: 75% or above, C: 65% or above, D: 55% or above, or curve fitting in which
   case average is C (if average is less than 65%)
6. Everything that I write on the board should be in your notebooks; if you cannot write that fast, ask me to slow down.
7. Its OK to study from old exams.
8. Only 1 make-up quiz; the HW folder will serve as the make-up quiz and will also serve as the 10% HW grade.
9. Let Dr. Pandit know ahead of time if you plan to be absent due to a religious holiday