CE 474
HYDRAULIC ENGINEERING DESIGN
Fall 2016

Instructor: Rolando Bravo
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Lectures: M-W-F: 08:00 – 8:50 a.m. ENGR A-222
Office hours: M-W-F: 10:00-12:00 p.m.

Books and References
Textbook:
- Water Resources Engineering, Larry W. Mays (2nd edition)
Reference Book:

COURSE OUTLINE
1. Water Budget
2. Flow Estimation
3. Properties of Fluids
4. Flow in Pipes (closed conduit)
5. Flow in Open Channel
6. Hydraulic Structures

Policies and Procedures
♦ There will be three tests on the lectures material. All tests will be open-book.
♦ No excuses for missed exams will be accepted other than certified medical excuses.
♦ Quizzes: Quizzes will be given at my discretion at any time during class time. Specific points associated with the quizzes will be rolled into the Homework Grade in the grading plan. If you are absent your grade will be zero. Any excuse should be consulted with the instructor.
♦ You must bring your calculator to every class
♦ The homework will be assigned at the discretion of the Instructor.
♦ Due of an assigned homework will be announced after its assignment. The solutions of the homework problems must be presented on standard engineering paper and in many cases a Professional Presentation is required to get full credit. The homework assignments may include design projects. Bonus problems may be handed in any time.
♦ Late homework will not be accepted.
♦ Homework solutions will not be posted. The burden is on you to make sure you find out how to solve the problems by getting help before they are due and/or asking about them in class after they have been handed.

Evaluation
♦ Homework 20%
♦ Test 1 25% (Tentatively, Wednesday, September 28)
♦ Test 2 25% (Tentatively, Wednesday, November 2)
♦ Test 3 30% (Final Exam Schedule Wednesday December 14, 8:00-10:00 a.m.)