# CIVE 322
## BASIC HYDROLOGY
### Fall 2015

| Instructor: | J. W. Labadie  
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| B211 Engineering  
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| Office Hours: | MWF 10:00-11:30 (or by appointment)  
| [Note: students may phone or email the instructor for help at other times] |
| Time/Place: | MWF 8:00-8:50 am; ENGR 120 (Hammond Auditorium) |
| Prerequisites: | CBE 331 or CIVE 300 or WR 416; CIVE 202 or STAT 301 or STAT 315; familiarity with MS Excel |
| Grading: (approx.) | 5% Weekly Quizzes  
| 20% Homework assignments  
| 40% 2 Midterm examinations  
| 35% Final examination |

**Objectives:** To learn the basic principles and concepts underlying the various components and processes of movement of water through hydrologic cycle, including atmospheric moisture flow, surface runoff, infiltration, and groundwater flow, and how to analyze and quantify such processes. Students will learn a number of hydrologic techniques that are widely used for planning, design, and management of water resources projects such as estimation of extreme flood events using hydrologic statistics and frequency analysis techniques.
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Homework Policy

1. Completed assignments are turned in at the end of class on the due date. Late homework will not be accepted, unless there is a documented illness or emergency situation.
2. Homework must be neat and must present the solution in an orderly fashion. The problem statement need not be copied, but the given data and required information should be listed. In many cases, a sketch should be given as part of the solution.
3. All equations used must be written in general symbol form before specific numerical values are substituted into the equations. All dimensional quantities (in the given information and in the answers) must have the appropriate units specified. It is not necessary to give units for every value in the middle part of the computations. Answers must be clearly marked.
4. Students may help each other with regard to understanding concepts needed for completing the homework. However, mutual copying and sharing of homework solutions is considered cheating and will be dealt with severely according to University Policy. This course will adhere to the Academic Integrity Policy of the Colorado State University General Catalog (Page 7) and the Student Conduct Code. Students are encouraged to seek help directly from the instructor rather than their classmates.

Attendance and Decorum

1. Attendance is expected at every class. Weekly quizzes will be given primarily for taking attendance, and will be factored into the final course grade.
2. Since even whispered conversation can be heard throughout the room, there can be no discussions between students during lectures. Students are encouraged to participate in the class and ask questions, but all questions or comments should be directed to the instructor and not your neighbors.

Exams

1. For Closed Book exams, students are allowed to bring only writing implements and an FE exam calculator. All work must be shown on the exam; students may not use extra pieces of paper, but can write on the backs of the exam pages if additional space is needed.
2. For Open Book exams, students are allowed to have the textbook and the class handouts (which may be annotated by the student) with them during the exam, which may be annotated by the student.
3. If an exam is missed during the semester for reasons other than illness or valid excuse, a grade of zero will be assigned. If an exam is missed due to an illness, definitive evidence must be provided by a medical practitioner. The instructor must be informed in advance that illness, or some other emergency situation, prevents attendance at the examination, unless there are compelling reasons why this cannot be done.
4. The difficulty in creating unique problem sets for homework and exams every year requires the instructor to reuse portions of problem sets from past classes. For this reason it is wrong and considered as cheating to view or use any past homework/quizzes/tests as study information for this class that were not distributed by the instructor to the entire class. The instructor will make available exam study guides to the entire class.