Course Objectives
The objectives of this course are to introduce the students to topics related to engineering solutions to water quantity and quality issues in Belgium and Texas. Topics include: the hydrologic cycle, precipitation, evaporation/transpiration, runoff, erosion, open channel flow, hydrogeology and water quality.

Learning Objectives
At the end of the course, students should be able to:
1. Apply knowledge of math and engineering principles to small watershed hydrology problems.
2. Identify, formulate and solve water quantity and quality related problems.
3. Effectively communicate assumptions and solutions to complex engineering problems related to water quantity and quality.
4. Apply engineering tools necessary to solve complex water quantity and quality related problems.
5. Effectively communicate the similarities and differences in U.S. and Belgian soil and water resources issues.

Required Textbook

Grading
Homework  20%
Midterm  20%
Final Exam  20%
Field Trip Reports  30%
Seminar Reports  10%
100%

Grading Scale
90 – 100   A
80 – 89   B
70 – 79   C
60 – 69   D
Below 60   F

Homework
Homework will be collected at the beginning of the class on the due date. Late homework will receive a maximum of ½ credit. Attached you will find a sample format for all homework.
Field Trip Reports
Field trip reports will be collected at the beginning of the next class on the due date. Late field trip reports will receive a maximum of ½ credit. Instructions for the field trip reports can be found on the course webpage.

Seminar Reports
Seminar reports are a 1 page summary (double spaced) summarizing the topic of the seminar. Seminar Reports will be collected at the beginning of the next class following the seminar. Late seminar reports will receive a maximum of ½ credit.

Scholastic Honesty
Aggies do not lie, cheat or steal nor do they tolerate those who do.

The Aggie Code of Honor states that the students at Texas A&M University should value honesty and personal integrity. Therefore, it is the responsibility of students and faculty members to help maintain scholastic integrity at the University by refusing to participate in or tolerate scholastic dishonesty.

In this course, it is permissible to discuss homework assignments and solutions. It is NOT permissible to copy homework (including computer programs or computer produced output) from another student or solutions manual. It is NOT permissible to discuss any aspect of any test or examination until ALL students have completed the exam. The penalties for violating this policy will range from a ZERO on the assignment or test to an F in the course. In addition, a report will be made to the TAMU Honor Council Office. If you have any questions about the Aggie Honor Code, please consult the website at: http://www.tamu.edu/aggiehonor/

Additional Accommodations
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building. The phone number is 845-1637.