
UTA Course Syllabus

MAE 2314 Section 001
Spring 2011

Disclaimer: This on-line syllabus is provided for student convenience and is based on the most recent information available. There is no guarantee that the information is 100% accurate. If you have special concerns about course information, you are advised to contact the instructor.

1. **Instructor:** Brian Dennis
2. **Office Location:** 316C Woolf Hall
3. **Office Hours:** 11:00-11:45 TTh
4. **Phone:** 817-272-7379
5. **Fax:**
6. **Mailbox:** 19018
7. **Email:** dennisb@uta.edu
8. **Instructor WWW Site:** WebCT
9. **Link to Additional Course Info:**

10. **Course Prerequisites:**

Calc I, II, III; Statics; Dynamics;

11. **Required Readings/Materials:**

Text: Munson, B.R., Young, D.F. and Okiishi, T.H., Fundamentals of Fluid Mechanics, New York (6th edition).

12. **Course Description:**

Fluid properties; Fluid statics; Elementary fluid dynamics; Fluid kinematics; Conservation equations in integral and differential form; Dimensional analysis; Turbulent and Laminar Internal pipe flows.

13. **Course Learning Goals/Objectives:**

Basic concepts of fluid mechanics.

14. **Attendance and Drop Policy:**

Attendance is required.

15. **Tentative Lecture/Topic Schedule (course content):**

This course will cover chapters 1-8 in the text.

Specific Course Requirements with descriptions

1. Quizzes (number and type):

None

2. Examinations (number and type):

2 mid-term exams + final exam

Exams are closed book and closed notes.

3. Final Examination: Final Exam Comprehensive

4. Other Graded Assignments (Homework / Projects / Labs / Research Papers):

Homework is due by the beginning of class. One homework set per week.

Must be neat with staple pages. Late homeworks penalized by 10% per day.

All homeworks that are obviously copied from another student or from the textbook solutions manual will receive a score of zero.

5. Missed Exams, Quizzes and Makeup Work:

No makeup exams unless arrangements are made in advance. No extra credit assignments will be given.

6. Grading Format Weighting / Point Value of Assignments and Examinations:

Homework: 10%, 2 mid-term exams: 30% each, final exam: 30%

7. Other Information:

Final Review Week

A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week.

Americans With Disabilities Act

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112 -- The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans With Disabilities Act - (ADA), pursuant to section 504 of The Rehabilitation Act, there is renewed focus on providing this

population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with **informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.**

Academic Dishonesty

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22)

Student Support Services Available

The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

For assistance with your library needs in this course, please consult the appropriate [subject librarian](#).
