

ME 5331 Analytical Methods in Engineering
Fall 2014
Mondays and Wednesdays 4:00 – 5:20 p.m.
Woolf Hall 311

Instructor:

Albert Y. Tong; Ph.D.

Office:

Room 206A Woolf Hall

Office Hours:

2:00 – 4:00 p.m. MW or by appointment.

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Course WWW site:

<http://elearn.uta.edu>

Login with your NetID and password

Teaching Assistant:

Ashraful Islam

Office: Woolf Hall 323B

Office Hrs: 11:00 – 12:30 pm (TuTh)

Email: shubarno024@gmail.com

Required Textbook(s):

Advanced Engineering Mathematics, M. D. Greenberg, Prentice-Hall (2nd edition; 1998)

Course Content:

1. Ordinary Differential Equations (Ch. 1-3)
2. Laplace Transforms (Ch.5)
3. Scalar and Vector Field Theory (Ch. 13-16)
4. Fourier Series (Ch. 17)

Grading Policy:

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| Quizzes | 60% |
| Final Exam | 40% |

The total will be curved based on the following formula:

"*Curved Total = (Total / Highest Total in class) X 100*".

(Example: your total is 60 and the highest total in class is 88, your curved total will be 68.2)

The overall curved total of 85% and above is A; 70-85% is B; 55-70% is C; 40-55 is D and below 40 is F. Examination format will be announced in advance. No make-up exams will be given except for documented excuses of inability acceptable to the instructor.

Attendance and Drop Policy:

The university policy will be followed.

Calculator Policy: Only nonprogrammable calculators with basic computational features, such as arithmetic and transcendental functions will be allowed in the exam.

Classroom Etiquette: No food is allowed. Please be on time for the class. Working on laptops/cellphones, texting, etc. are not permitted and cell phones should be on silent mode. Questions and discussion involving the entire class are encouraged. Please never feel shy to ask questions.

From the College of Engineering

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, here 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 suspensions 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)