

# MATH 152 510-512

## Engineering Math II

Spring 2009

**Instructor:** Amy Austin

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**Homepage Address:** <http://www.math.tamu.edu/~amy.austin/>

**Office hours:** TR: 2:30-4:30 pm or by appointment.

**Teaching Assistant:** Aaron Goldsmith (agolds@math.tamu.edu)

**Texts:** *Calculus: Early Vectors*, preliminary edition (hard back), by Stewart et al, published by Brooks/Cole. The computer laboratory will use *Matlab: An Introduction with Applications* by Gilat Amos.

**Content:** The first half of this course will cover techniques of integration and applications of integration. The second half of this course covers series and sequences, Taylor Polynomials, three dimensional geometry. The course meets twice per week in lecture and twice per week in recitation. One of your recitation meetings is designed to discuss questions over homework or lecture and weekly quizzes will be administered here. The other recitation meets in the computer laboratory where the computer package *Matlab* will be introduced. If time permits, I will administer quizzes during lecture. These quizzes will not be announced in advanced, thus it is important you keep up with all assignments and pay attention in lecture.

**Online Homework:** Online homework is required in all math 152 classes. These online homework assignments can be accessed anytime of day or night, from any computer with a connection to the internet and a Web browser. All information regarding online homework can be found at <http://www.math.tamu/ehmwk>.

**Common Exams:** Engineering Calculus I and II here at A&M use Common Exams in order to establish consistency among sections. These common exams are administered in the evening (see the schedule below). If you have a class conflict with these exams, you must provide documentation and arrangements will be made for you.

**Grades:** Your grade will be determined by 3 exams, a comprehensive final, and the lab grade as follows:

Exam I:	15%	R Feb 19, 7:30-9:30 pm
Exam II:	15%	R March 26, 7:30-9:30 pm
Exam III:	20%	T April 28, 7:30-9:30 pm
Final Exam:	25%	F May 8, 12:30-2:30 pm
Matlab:	10%	
Quizzes/WebAssign:	15%	

**Make-up policy:** No make-ups will be given without written evidence of an official University excused absence. (See *University Student Rules*.) According to Section 7.3 of the *University Student Rules*, for an absence to be considered excused, 'the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible, the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class. "If no such notice is given, the rights to a make-up are forfeited. In addition (and also in accordance with *University Student Rules*), a written excuse must be presented upon return to class. Specifically, in the case of illness or injury, students are required to obtain a confirmation note from a health care professional affirming date and time of a medical office visit regarding the illness or injury and confirming the need of absence before a make-up will be given.

**Academic Integrity Statement:** "An Aggie does not lie, cheat, or steal or tolerate those who do". I further refer the student to the Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor>.

**Students with Disabilities:** 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 or call 845-1637.

**Sources of help:** Use it!

1. **Office Hours:** My office hours will be Tuesday and Thursday afternoon, 2:30-4:30. My door will be open during these times, and students are encouraged to attend. If you cannot attend my office hours, send me an e-mail with your available times and we will schedule an appointment.
2. **Week in Review:** Each week, I will conduct a Week in Review, time and place TBA. Students are highly encouraged to take full advantage of this extra help. Note that success on common exams requires LOTS of practice. This is one resource for you to obtain extra practice in order to master the material. See <http://www.math.tamu.edu/~amy.austin/livewirmath152.html> for more information.
3. **Streaming Video:** For streaming video of math 152 problems, see <http://www.math.tamu.edu/~amy.austin/wirmath152.html> for more information.
4. **Help Sessions:** The Math department offers help sessions for math 152. See <http://www.math.tamu.edu/teaching/helpsession/> for more information.
5. **Hire a private tutor:** For a list of tutors, go to BLOC 602 and inquire within.