

**MATH 2450-003**  
**Calculus for Engineering Technology I**  
Summer I 2008  
Professor El-Bialy  
May 11, 2008

1. **email address:** melbially@math.utoledo.edu.
2. **Text book:** Technical Calculus, by D. Ewen, J. S. Gary, J. E. Trefzger, S. J. Colley
3. **Topics:** Tentatively, most of the topics in Chapters 1-6.
4. **Prerequisites:**
  - Passing grade in Math 1320 and Math 1330 or Math 1340, or satisfactory placement test score.
  - If a student's ACT-math is 22 or greater a score of 12 or greater is required on the trigonometry placement test.
  - If a student's ACT-math is 20 or 21 then the student must have
    - a score of 12 or greater on the trigonometry placement test and
    - a score of 12 or greater on the college algebra placement test.

5. **Grading policy:**

- (a) To pass the course you must pass both of the following four components independently:
  - Pass a proctored written midterm by a score of 65% or greater.
  - Pass a proctored written final exam by a score of 65% or greater.
  - Pass the online tests and tests by a score of 80% or greater.
  - Pass online quizzes by a score of 80% or greater.
- (b) You must pass the midterm, the final exam and the online component independently. For example, a student who scores 100/100 on the online component but scores 55/100 on the written final exam or the written midterm will fail the course although the average is 70%.
- (c) The midterm and the final exams are proctored written exam.
- (d) **Weights:**
  - Online quizzes and tests: 30%.
  - Midterm: 30%.
  - Final Exam: 30%.
  - Online quizzes: 10%.
- (e) **Due dates:**
  - Online tests, quizzes and homework of the 1<sup>st</sup>, 2<sup>nd</sup>, ..., 5<sup>th</sup> weeks are due the following Mondays at 6:00 am.
  - Online tests, quizzes and homework of the 6<sup>th</sup> week are due the following Saturday (June 21) at 6:00 am.

(f) **Grade lines:**

	$A \geq 90\%$	$A- \geq 87\%$	$C+ \geq 73\%$	$C \geq 70\%$	$C- \geq 67\%$
$B+ \geq 83\%$	$B \geq 80\%$	$B- \geq 77\%$	$D+ \geq 63\%$	$D \geq 60\%$	$D- \geq 57\%$

6. **Presentation on the proctored written final exam:**

- (a) Show all your work and give correct reasons and explanations to all your answers.
- (b) Always use the simplest methods for solving a problem.
- (c) Describe all the steps in words before performing them.

- (d) All this must be done in a clear, organized and legible fashion.
- (e) Correct numbers without the correct reasoning, explanation, and description of steps will earn no points.
- (f) Following the above mentioned format on your solutions is the only way you can earn partial credit (in one point increments) for relevant ideas and steps which points in the right direction.
- (g) You are graded based on what you write down of the paper, not on what was going on in your mind while writing it down.

**In short, assume that you are the instructor explaining how to solve the problem to one of your classmates.**

**7. Course organization:**

- (a) This is a 15 weeks course condensed into 6 weeks.
- (b) Students are expected to spend at least 10 hours a week studying for this course.
- (c) There is no classroom attendance.
- (d) You must take the online tests and quizzes before the deadlines. They will not be available after the deadline.