

## MA 205 Calculus II

Section A12 Time: A or G hour (0730-0825) Mon, Tue, Thur, Fri  
Thayer Hall Room 470

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**Instructor:** Major Silas R. Bowman, Thayer Hall 220,  
Phone: 845-938-2046, Email: silas.bowman@usma.edu

**Office Hours or AI:** By appointment in Thayer Hall 220; None on Tuesday Afternoons

**Textbook:** James Stewart, Calculus, Early Transcendentals, [fifth edition].  
USMA MA205 Student Course Guide

**Math Software:** Mathematica 6.0

### Web Sites:

Major Bowman's Web Site: <http://www.dean.usma.edu/departments/math/people/bowman/>  
USMA MA205 Web Site: <http://www.dean.usma.edu/departments/math/courses/ma205/>

**Course Outline:** MA 205 Calendar is located on the MA205 Web Site.

**Teaching "Command" Philosophy:** I welcome you to what, I hope, will be the most fun math class that you have ever taken. We will work together to tackle all of the lesson objectives in an open, collegial environment. Of the close to 1,000 cadets in the class of 2010 most will not become Math Majors. I strive to make this learning experience as enjoyable and as understandable as possible for EVERYONE. My goal is that WE will come away from this course as critical thinkers that are able to tackle difficult, unfamiliar problems using the problem solving methods that WE will discuss throughout the semester.

### Ground Rules:

1. Items to bring to class every day
  - (a) Textbook
  - (b) Course Guide
  - (c) Laptop
2. Drinks
  - (a) Water allowed in any spill-proof water bottle.
  - (b) Other beverages must be in Dean approved mug only
3. Food - No Food or Gum
4. Bathroom - Just go, don't distract others if possible
5. Answering Questions - If a VIP visits the room raise your right hand if you know the answer or raise your left hand if you don't.

## 6. Class Preparation

- (a) Come to class having completed the reading assignment and the mechanics based problems listed in the course guide
- (b) Read in two phases:
  - i. Initial Scan - highlight formulas
  - ii. Second Read - try to understand concepts or examples

## 7. Assignment and Project Deadlines

- (a) Timely submission of academic requirements is a duty. All assignments will be turned-in during. Late submissions, without prior approval, require academic penalty.
- (b) If extenuating circumstances prevent a cadet from submitting the assignment on time, I may extend the submission deadline. In such cases, if the extended deadline is met, the submission is not late.

8. Graded quizzes will be taken weekly, depending on how many we take I will drop some of the lowest scores. Some non-graded quizzes will be given at the end of class to help me judge progress in the class (these quizzes will be anonymous).

## 9. Homework

- (a) Block Homework will be given during each block. The problems will cover material already covered and some from material not yet covered. These assignments will not be due until after the material has been covered.
- (b) We may have one question homework to take home and turn in the next morning.

10. Problem Solving Labs - No quizzes will be given during PSL. Usually will include small experiments or involved board problems.

## 11. **Bonus Point Opportunities**

- (a) Cadets who bring in an application of that days topic that is not listed in the book or course guide will be eligible for bonus points, positive spot reports, or an additional low quiz drop. Cadets will vote on the relevance and quality of the application. I will be the final vote. Cadet should include a video, computer application, or physical model and be able to defend their application.
- (b) Course Guide spot checks
- (c) Attendance of Math Forums
- (d) Pictures of you on vacation or in historical places with the Stewart Text

**Grading:**

Requirement	% Weight	Course Total Points
Oral Presentation	2.5%	50
Instructor Points	10%	200
Projects	20%	450
WPRs	37.5%	750
TEE	30%	600
Total	100%	2000

**Instructor Point Breakdown**

Requirement	Number	Pts Per	Total
Weekly Quiz	10+	8	80
Block Homework	4	25	100
Subjective	1	20	20
Bonus ???			
Total			200