

**Math 1113 - Call Number: 91829
Fall, 2003**

Pre-Calculus Mathematics

Meeting Times: MWF 11:15 am - 12:05 pm in Life Sciences Building C130

Text: *Precalculus* (2nd ed.) by David Cohen

Instructor: Dr. Jerome Jungster

Office Hours: MF 2:00 - 3:10 pm & MWF 4:45 - 5:45 pm, in Boyd 506

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Course Resource Center (Web site): <http://www.math.uga.edu/1113>

Grading:

(1) Test 1 (45 minutes per exam): 5%

(2) Test 2-7 (75 minutes per exam): 10% per test (60% Total)

(3) In-class quizzes: 10%

(6 quizzes - 2 problems, possibly multi-part, per quiz - 15 points per problem - 15 minutes per quiz)

(4) Final exam (3 hours allotted): 25% [Final Exam: Wednesday, Dec. 10 noon-3:00 pm]

Note: If your final exam score is higher than your lowest long test score, then the lowest long test score will be replaced with the final exam score.

Course Focus:

Learning how to work through mathematical problems carefully and confidently while developing a rock-solid base in Pre-calculus Mathematics, via the following practices:

- a) First and foremost: Understanding concepts
- b) Practicing skills
- c) Learning to "go slow" (even if nervous :-)) and reason carefully
- d) Drawing pictures to facilitate thinking
- e) Learning to systematically record reasoning as we go through problems
- f) Learning to "chunk" problems into **smaller** problems to be solved
- g) Learning to order the "chunks" (which smaller problems to solve first)
- h) Retracing steps, if we become aware of an error - rather than panicking - and working forward comfortably again to the right answer. [Note: Good Practice e) has a lot to do with being *able* to retrace.]

Benefits:

- Gaining a solid grasp of mathematics essential for business, physical sciences, and life sciences majors
- Making calculus, in future semesters, half as hard.