Math 1000
Mathematical Literacy in Today’s World

Winter 2010
Do I need this course?

- This course may be required to satisfy the General Education Mathematics requirement IF you:
  - Entered college Fall 2005 or later, and
  - Will not take any higher mathematics course.
Do I want to take this course?

- NOT if any higher Mathematics course is required by your prospective major, including:
  - Elementary Education
  - Physical Therapy
  - Pre-pharmacy
  - Business
  - Economics
  - Etc.!
Can I take this course?

- Placement by Exam:
  If you took the Mathematics Placement Exam after January 2009 and received placement into MAT 1000 or 1050.

- Placement by Course:
  If you took MAT 0993 during Winter 2009, Spring/Summer 2009, or Fall 2009 and received a grade of C- or better.
Lecturer Information

- Lecturing Monday and Wednesday, 11:45
- Peter Malcolmson
- Office in 1123 Faculty-Administration Building (FAB)
- 577-2472
- petem [at] wayne.edu
- Mailbox in 1124 FAB
Office Hours for Lecturer

- TENTATIVELY (may be changed after consulting with students)
- Monday 1:00-2:00
- Tuesday 1:00-2:00
- Friday 11:45-12:00
Department Information

- Mathematics Department
- 1150 FAB, open 8:30-5:00 or later
- (313) 577-2479
Quiz Sections

- Meet Tuesdays and Thursdays
- With Instructors Ross Fazio, Yu Sun, Guangliang Zhao, Son Luu Nguyen, or John Peter

- To discuss worksheets and homework, and take quizzes.
Textbook

- “For All Practical Purposes: Mathematical Literacy in Today’s World”, Eighth Edition
- By COMAP (a consortium)
- W.H. Freeman, Publisher
Course Website

- www.math.wayne.edu/~petem/Mat1000/

- We’ll try to put course materials on Blackboard as well
Amount of Text Covered

- Part II on data analysis
  (Most of Chapters 5, 6, 7, 8)

- Part VI on Money and Resources
  (Most of Chapters 21, 22, 23)
Brief Overview

- **Statistics**
  - Analysis of data
  - Numerical measures of distribution
  - Making statements about data

- **Money and Resources**
  - Saving, Borrowing, and Interest
  - General Ideas of Growth and Decay
Help outside of class

- Office Hours for Lecturer and Instructors
- Mathematics Resource Center ("Tutor Lab") in Room 1198 FAB, open 9-6 Monday thru Thursday and Friday 9-12
- Academic Success Center in the Undergraduate Library
- Other students
Calculators

- You will want to have a calculator that can compute two-variable statistics.
- You can borrow one for the term (but get the manual too), OR
- Consider buying a TI-30XS (available at the WSU book store for about $20)
Attendance

- We will be taking attendance during lecture and quiz sections.
- Students missing more than six lecture or quiz sessions will be penalized, on an accelerating scale.
Attitude

- Mathematics requires a certain level of seriousness, which we will try to practice. You are therefore responsible for:
  - No cell phone rings or other interruptions during sessions
  - Paying attention during sessions
  - Keeping up with the homework
  - Asking questions if confusion occurs
Homework

- Suggested for each subject from Skills Checks and Chapter Exercises.
- For practice in doing problems like those on the quizzes/exams.
- Collected from time to time during the term.
- Lists available on Website.
Worksheets

- To identify difficulties and for practice.
- Available during most quiz sessions.
- Discuss with other students, consult the book, or ask the instructor.
- Be sure to turn in the worksheet before you leave.
Quizzes

- Taken in quiz sections
  - After Chapters 5, 6, 7, 21, 22
  - Using only calculators (no notes, books or phones)
  - 30 points each
Exams

- Midterm Exam covers Chapters 5-8.
  - Held Wednesday, March 10 in Lecture.
  - Quiz Rules apply.

- Final Exam covers mostly Chapters 21-23, with some coverage of earlier material.
  - Held Thursday, April 29 in Lecture.
  - 10:40 AM – 1:20 PM
Grades

Based on total points from
- Homework/Worksheets (100 points)
- Quizzes (150 points)
- Midterm Exam (100 points)
- Final Exam (150 points)

Students who get 90% of the points will get at least an A-, those with 80% will get at least a B-, etc.