

# Syllabus: MATH FOR LIBERAL ARTS

**MATH 1180**

**MW 2:00 – 3:15, Snider Memorial Room 2110**  
**-035 / -036 / -037 / -038 University Hall 2530**  
**T 11-11:50 / T 12 – 12:50 / T 1 – 1:50 / R 11-11:50**

**Fall 2010**

## INSTRUCTOR

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Office hours To be determined, and by appointment

## PREREQUISITES

Math 950 (Elementary Algebra) , Math 980 (College Algebra), or one of a) ACT Math score of 16 or higher or SAT Math score of 400 or higher, or b) Elementary Algebra placement test score of 8 or higher, or c) College Algebra placement test score of 5 or higher.

## REQUIRED MATERIALS

- Access code for *Mathematics all Around* 4<sup>th</sup> edition, Pirnot, Pearson/Addition Wesley 2010. The access code may be purchased from [www.coursecompass.com](http://www.coursecompass.com) (you need a credit card) or through The University of Toledo's bookstore. The textbook is highly recommended.
- A clicker from the bookstore: Turning Technologies' ResponseCard RF.
- 3-Ring binder for the organized keeping of class notes, projects, and textbook.

## TENTATIVE CLASS SCHEDULE / LIST OF TOPICS

The material covered in the course corresponds to material in Chapters 2,4,5,10,13-15 of *Mathematics all Around*, 3<sup>th</sup> edition, Pirnot.

In general, students will be engaged in the various topics listed below through lectures, interactive computer activities, and group and individual problem solving projects. An emphasis will be placed on problem solving throughout the course.

Topics include: Graphs, Sets and Set Operations, Polygons and Symmetry, Counting Methods, Permutations and Combinations, Probability, and Statistics.

## GRADING POLICY

The categories used for evaluation in this course and the percent weights associated with them are:

Participation	5%	Lab Assignments	15%
Group Participation	5%	Midterm Exam	30%
Online Homework	15%	Final Exam	30%

All homework will be administered online. All homework problems may be worked as often as needed to master the material, and may be resubmitted for a better score. Interactive solutions for the homework problems are available online. Lab assignments are done in groups of 1,2 or 3.

## GRADING SCALE

Overall %	Grade	Overall %	Grade
90-100%	A	60-69%	D
80-89%	B	0-59%	F
70-79%	C		

Extra credit will be awarded for attendance: 2% if less than 3 days are missed, 1% if 3-5 days are missed. Plus/minus grades are assigned within 2.5% of the grade boundary.

### **ATTENDANCE AND MISSED WORK POLICY**

Attendance will be taken every class day (via clickers). Make-ups of tests are only given in case of an excused absence, such as a personal emergency (see the University of Toledo Missed Class Policy, I-2-15). A written excuse, for example, a doctor's note, is required. Any lab assignment missed due to an excused absence will be prorated.

### **CLASSROOM RULES AND ETIQUETTE**

- No food or drink in the computer lab. This also means no bottled water.
- Cell phones and earphones need to be turned off and out of sight.
- Cell phones may not be used as calculators.
- Use of another student's clicker (to fake participation and/or attendance) will result in a case of Academic Dishonesty submitted to the University of Toledo against that student.

### **SOME ADVICE FOR SUCCEEDING IN THIS CLASS**

- Attend class regularly and complete your assignments by the due dates.
- Schedule sufficient time to devote to this course outside of class. (est: 6 hours per week)
- Don't hesitate to ask questions, either in class or during my office hours. If you can't make it during my office hours, make an appointment or contact me by email.
- Get help at the first sign of confusion. Don't wait.
- Study with fellow students. Take turns explaining the material to each other. Teaching someone else is the best way of learning.

### **LEARNING RESOURCES**

- Free math tutoring on a walk-in basis is available in the Math Learning and Resources Center in the lower level of Carlson Library.
- The Course Compass website has an online copy of the textbook, and other learning materials available.

### **IMPORTANT DATES**

- **MIDTERM EXAM:** Wednesday, October 20, 2010 (tentative).
- **FINAL EXAM:** Thursday, December 16, 2010, 12:30-2:30 PM, in SM 2110.
- The last day to **ADD/DROP** classes is Tuesday, September 7, 2010.
- The last day to **WITHDRAW** from Fall Semester is Friday, October 29, 2010.  
**Note:** Instructors cannot withdraw students from class. Any student who has not withdrawn from class by October 30 will receive a letter grade for the class.