

## Math 101: Contemporary Mathematics

2009

**Credit can not be received for this course if you have taken Math 112 or higher.**

*Excursions in Modern Mathematics*, Tannebaum, Chapters 1-7 plus extra material

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[www.roanoke.edu/staff/minton/ccourse.html](http://www.roanoke.edu/staff/minton/ccourse.html)

office hours 10M, 11T, 3W, 9Th

**Course Objectives:** Develop an understanding of the goals and methods of mathematics as it is applied to *all* areas of modern society. Through the various course topics (voting methods, apportionment, fair division) you should develop an appreciation of how mathematics in general makes important contributions to everyday life.

**Attendance Policy:** Perfect attendance is the best strategy. You are responsible for everything done in class. If you miss classes, your quiz average suffers and you forfeit the chance of having your grade curved up. If you miss a class, e-mail or call me before class is over and explain why. **If you have two unexplained absences, you will be dropped from the course.**

**Equipment:** You will need a calculator to do arithmetic for some of the topics of the course. Some test questions will require a calculator. **Sharing a calculator on a test is a violation of academic integrity.** Failure to bring a calculator that you can operate to the test will hurt your grade.

**Academic Integrity:** The college policy is fully supported. Tests are closed notes, closed book. Homework assignments will be discussed in class, and you may always ask me for help. Otherwise, homework is to be your own work. **Do not** discuss homework with your classmates.

**Study Problems:** Problems will be assigned at the end of each section of the book. You are expected to attempt every problem before the next class and ask questions in office hours about those you do not understand. Study problems will indicate what you are responsible for on tests.

**Co-curricular:** You are to attend one talk in the MCSP Conversation Series of talks and turn in a report. A sample report will be given to you.

**Homework:** Homework problems to be turned in will be assigned throughout the term. Instructions will be handed out well in advance and I am glad to help you with the homework until the night before the assignment is due. These problems typically involve material not in the book and are more open-ended than study problems or test questions. In addition, some homework will involve the presentation of material to the class and discussion.

**Tests:** There will be three tests and a final exam. Each test will cover all material discussed since the previous test. Anticipated test dates are (W) 2/4, (F) 2/27 and (W) 4/1. The exam is Tuesday, April 28, 8:30-11:30.

**Make-ups:** In case of sickness or scheduling conflicts, get in touch with me ASAP.

**Grading:** The homework will count 20% of the grade, daily participation counts 6%, each test counts 18% of the grade and the final counts 20% of the grade. Grades may be curved up based on consideration of one unusually low test score or other extenuating circumstance.

A : 93-100	B-: 80-82	D+: 67-69
A-: 90-92	C+: 77-79	D : 63-66
B+: 87-89	C : 73-76	D-: 60-62
B : 83-86	C-: 70-72	F : below 60

## **Math 101 Information Sheet**

Name:

Intended Major:

Hometown:

List any other college math courses you have taken.

Briefly describe why you think math is useful.

What are your expectations and goals for this course?

What are some of the co-curricular or other campus activities you would like to participate in this year?