

Course Syllabus  
MAT 107–Introduction to Mathematics  
Sections C & D  
Fall 2012  
John Peter

**Course Description:** MAT 107 is an introduction to a number of mathematical topics in social science, management science, arts and nature. We will study the theory of voting (Chapters 1 through 4), the mathematics of money (Chapter 10), and the (often subtle) symmetries and patterns that appear in nature (Chapters 9 & 11). The course will be example-driven. In particular, you should leave this course with more than one answer to the question “When am I ever going to have to know this stuff?!”.

**Secrets to success in this course:**

- Do lots of problems ... homework and more!
- Come to class
- Read the book
- ASK QUESTIONS!

**Class Meetings:**

- **Section C:** Tuesday and Thursday from 2:30pm to 3:45pm in 105 Hubbard Hall
- **Section D:** Tuesday and Thursday from 1:00pm to 2:15pm in 105 Hubbard Hall

**Required Text:** *Excursions in Modern Mathematics*, Seventh edition, by Peter Tannenbaum. ISBN: 978-0-321-56803-8

**Contacting me:** EMAIL: jwpeter@utica.edu (the best way to contact me)  
OFFICE PHONE: 315-792-3730 (Please don't leave voicemails)

**Office/Hours:** Room 104 DePerno Hall  
Monday/Wednesday from 12:00PM to 1:30PM  
Tuesday from 11:30AM to 12:30PM  
By Appointment (made either in person or by email)

**Calculators:** For some of the material that we cover, you will need a scientific calculator. Approved calculators are allowed to be used on quizzes and tests. Devices that DO NOT COUNT as a calculator include (but are not limited to) your cell phone, ipod, laptop, or any other similar contraption that functions as anything other than a calculator. Any device that can access the internet is specifically prohibited. If you are unsure of whether your calculator is appropriate, or if you would like a recommendation, see me right away!

**Coursework:** The course will be worth a total of 550 points:

- Daily Assignments from Text - Not Collected/Not Graded (But fair game for quizzes/exams.)
- Quizzes - 100 points (11 quizzes, 10 points each, drop lowest)
- Two Midterm Exams - 300 points (150 points each)
- Cumulative Final Exam - 150 points

**NO MAKE-UP WORK WILL BE GIVEN.**

**Grading:** The grading scale will be *no worse* than:

- 495 - 550 points = A/A-
- 440 - 495 points = B+/B/B-
- 385 - 440 points = C+/C/C-
- 330 - 385 points = D+/D/D-
- Below 330 points = F

**For specific information on material to be covered and important dates, see the *Tentative Course Schedule* here:**

[http://dl.dropbox.com/u/26584575/Tentative%20Course%20Schedule%20\(MAT%20107%20Fall%202012\).docx](http://dl.dropbox.com/u/26584575/Tentative%20Course%20Schedule%20(MAT%20107%20Fall%202012).docx)

**Attendance:** It is mandatory that I keep track of your attendance. An attendance sheet will be available for you to sign at the beginning of each class. Your attendance will not formally count for any part of your grade. However, it may be used, at the instructor's discretion, to determine borderline grades at the end of the semester. **YOU ARE EXPECTED TO ATTEND EVERY CLASS PERIOD.** In the event that you miss class (or are mentally absent from class!) it is your responsibility to keep up with all announcements, syllabus adjustments, and/or policy changes made during scheduled class time and/or sent to you via your Utica College email. Please make sure that your Utica College email is functioning properly, and make every effort to contact me using your Utica College email address (as opposed to gmail, yahoo, etc.) to avoid confusion. If class must be canceled for some reason, you will be notified as early as possible via your Utica College email.

**Classroom Etiquette:** Always keep in mind that you are in a college classroom. You and all of the people around you have paid to be here. By simply showing up for class, you are demonstrating that you take very seriously the opportunity to pursue the best learning experience possible. You are expected to treat all people in the classroom with respect, and to come to class prepared to learn. Disruptive behavior,

including (but not limited to) talking, whispering, texting, eating loudly, etc. will negatively impact EVERYONE'S experience and will not be tolerated.

**Intellectual Honesty:** Academic honesty is necessary for the free exchange of ideas and Utica College expects academic honesty from all students. Academic dishonesty includes both *cheating* and *plagiarism*. Plagiarism is the intentional or unintentional use of other people's ideas, words, and/or factual information without crediting the source. Cheating refers to both the giving and the receiving of unauthorized assistance in the taking of examinations or in the creation of assigned and/or graded class work. Utica College faculty are authorized to assign a wide range of academic penalties for incidents of academic dishonesty. Depending on the nature of the offense, the penalty may include a reduced grade for the particular assignment or course, a grade of "F" for the course, or the grade of "F for cheating" for the course. Incidents of academic dishonesty will be reported to the Vice President for Academic Affairs, who will refer any repeat offense, or any particularly egregious first offense, to the Academic Standards Committee, which may recommend a more severe penalty than that imposed by the faculty member.

**Disability Disclosure:** Any student who has need of special accommodations in this class due to a documented disability should speak with me as soon as possible, preferably within the first two weeks of class. You should also contact Kateri Henkel, Director of Learning Services in the Academic Support Services Center (315-792-3032 or [khenkel@utica.edu](mailto:khenkel@utica.edu)) in order to determine eligibility for services and to receive an accommodation letter. We will work with you to help you in your efforts to master the course content in an effective and appropriate way.

**Writing Proficiency:** Students are expected to possess and use adequate writing skills. All written assignments should be well-written and free of grammar, punctuation, and spelling errors. Help is available in the Writing Center located in the library.

**Math and Science Center:** Peer tutors are available in the Math and Science Center located in the library.

**An electronic copy of this syllabus can be found here:**  
<http://dl.dropbox.com/u/26584575/MAT107CDF12.pdf>

*The author of this syllabus reserves the right to change it at any time during the semester.*