

# Math 104 Syllabus

**Instructor:** Clay Shonkwiler

**Time:** Monday through Thursday, 10:00-12:10

**Location:** DRL 3C2

**Office:** DRL 3E3A

**Office Hours:** Mondays and Wednesdays, 12:30-1:30, also by appointment

**Book:** *Calculus* (custom edition for University of Pennsylvania) by Thomas and Finney

**Phone Number:** (215)573.6255

**E-Mail Address:** shonkwil@math.upenn.edu

**Course web page:** <http://www.math.upenn.edu/~shonkwil/104/>

**Course Description:** This course will encompass a brief review of high school calculus before moving on to: applications of integrals, transcendental functions, methods of integration, infinite series and Taylor's Theorem. We will also make some use of a computer mathematics package (Maple).

See the main Math 104 page for more details, as well as core problems, sample exams, Maple tutorials, etc.

**Homework:** Homework is an important part of any math class, as it is impossible to *learn* math without actually *doing* math. The goal of the assignments will be to develop and apply the tools and techniques discussed in class. Homework assignments will be due twice a week, usually Tuesday and Thursday. **Late homework will not be accepted** absent extraordinary and compelling circumstances (hint: sleeping through class does not qualify); however, the lowest homework grade will be dropped in determining final grades.

You should also consider as an implicit part of your homework to read the sections to be covered in the next day's lecture. This will make the lectures more comprehensible and provide a more solid foundation than merely attending the lectures.

**Quizzes:** Quizzes will be given approximately twice a week, typically on Tuesdays and Thursdays. You should expect these quizzes to consist of three questions which will be substantially similar (though not identical) to problems assigned in the homework. Quizzes should typically take no more than 10 or 15 minutes to complete. **Quizzes cannot be made up** (again, absent extraordinary and compelling circumstances), but the lowest quiz grade will also be dropped.

**Exams:** A midterm and a final will be given for this course. The midterm is tentatively scheduled for July 14 (this may change depending on how rapidly we proceed through the material) and the final will be held on August 4 (the last day of class). A review session will be held the evening before each exam, provided there is interest on the part of the students.

**Components of your final grade:** Homework and quizzes will collectively comprise 30% of your final grade. The midterm exam will contribute an additional 30% and the final exam will contribute the remaining 40%.

**Office Hours:** Office hours are an excellent time to talk to me about any material that you don't understand, to seek further examples, to ask questions and to pursue interesting or stimulating

subjects in greater depth. Officially, office hours will be held Mondays and Wednesdays from 12:30 to 1:30. However, I am often in my office during other times and am more than happy to meet with students outside the official times. If the office hours aren't convenient to your schedule, please send me an email and I'll do my best to accommodate you.

**Additional help:** Although I hope that my lectures and office hours will be informative enough to allow you to do well in the course without additional help, I know that this may not be the case for everyone. If you find that my lectures aren't as informative as you'd like or if my style of teaching simply isn't entirely compatible with your style of learning, I would recommend checking the Math Advising page as a first step.

Tutors are available free through the Penn Tutoring Center. Also, many graduate students offer private (though not free) tutoring; please see the math department's list of approved private tutors for contact and rate information.