

TEACHING COLLEGE MATHEMATICS
MATH 601
FALL 2011

Classroom: POT 745	Meeting Times: Monday 4:00pm – 4:50pm
Instructor: Dr. Katharine Ott	Office Phone: (859) 257-6815
Office Location: 733 POT	Email: katharine.ott@uky.edu
Office Hours: By appointment	
Course webpage: http://www.math.uky.edu/~kott/index/MA601_F11	
Course materials available on Dropbox in the folder MA601_ public	

Course Philosophy and Objectives: This course serves as an introduction to teaching college mathematics. The focus will be on four broad themes:

- I. **The Basics.** TA duties, what to expect the first few days, what is a recitation, UK rules and procedures, observing a peer TA, feedback on teaching.
- II. **Assessment and Course Design.** Writing a syllabus, writing and grading homework, quizzes, and exams, grading techniques, online homework.
- III. **Teaching and Learning.** Understanding how students learn, Inquiry Based Learning (IBL), other topics to be determined.
- IV. **Teaching and the Profession.** LaTeX, Beamer, balancing teaching and research, how to be an effective and efficient teacher, writing a teaching statement and CV, preparing a professional webpage.

Text: The main text, *Teaching First: A Guide for New Mathematicians*, by Thomas W. Rishel, has been provided by the math department. Other reading will be distributed throughout the semester.

Office Hours: I encourage you to visit me to discuss our course and any teaching related matter. Please email me or stop by to schedule a convenient time.

Course Expectations:

1. **Course Attendance.** It is essential that you attend every meeting of this class. Please contact the instructor in advance if extenuating circumstances arise.
2. **Reading Assignments.** You are expected to complete all reading assignments and to be prepared for class discussions. The readings are an integral part of the course and will drive class discussions.

3. **Peer TA Observation.** September 5 is an academic holiday and thus there will be no course meeting. During the week of September 6 - 9 you will be required to observe another TA's course. There will be a short writing assignment described below.
4. **Other Assignments.** Throughout the course of the semester, each student will build a professional webpage, create a short presentation with Beamer, and produce a Teaching Statement and CV.

Grading: Your grade will be determined by attendance, participation in class discussions, and completion of reading assignments and all other assignments. Please see the instructor if you have any questions.

Class Conduct and Special Accommodations:

- Please be respectful of your classmates and me while in class or office hours. This includes turning off your cell phones and putting away your laptops.
- Cheating will not be tolerated. You are expected to follow the academic integrity standards stated in the University Senate Rules (see Chapter 6, <http://www.uky.edu/USC/New/SenateRules.htm>).
- If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a **Letter of Accommodation** from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Important Dates:

Wednesday	August 24	First day of classes
Wednesday	August 30	Last day to add a class
Monday	September 5	Labor Day, Academic holiday
Wednesday	September 14	Last day to drop a class
Monday	October 17	Midterm of semester
Wednesday – Friday	November 23 – 25	Thanksgiving break
Friday	December 9	Last day of classes
Friday	December 16	End of Fall 2011 semester

Tentative Schedule:

Date	Topic and Assignment
August 28	The first few days of class. Read <i>Teaching First</i> , pp. 3-12 and Bressoud's article, "The Calculus I Student."
September 5	No class, visit a TA during the week. Write a short summary of the observation including the TA's name, the course date and time, and a list of 3 positive things about the course you visited. Summaries should be between a half a page and a full page in length and are due electronically on Sunday, September 11.
September 12	UK policies and procedures, and discipline in the classroom. Reading to be announced.
September 19	
September 26	
October 3	
October 10	
October 17	
October 24	
October 31	
November 7	
November 14	
November 21	
November 28	
December 5	