MA113 Calculus 1

Sections 005, 006, 007, and 008

Spring 2014

Instructor	P. D. Hislop
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Teaching Assistants:	**Sections 005 & 006**: Mr. Florian Kohl
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	Sections 007 & 008: Ms. Marie Meyer
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Text:	J. Rogawski: *Calculus, Early Transcendentals, second edition*, W. H. Freeman and Co.
Class Meetings:	MWF 12:00–12:50 PM CB 114
Recitation:	Section 005: TR 12:30-1:45 FB 213
	Section 006: TR 8:00-9:15 FB 213
	Section 007: TR 3:30-4:45 FB 213
	Section 008: TR 2:00-3:15 FB 213
Office Hours:	Hislop: M 3-4 and F 3-4 in 753POT; and by appointment
	Mr. Kohl: T 9:30-11:30 in POT 706, R 2-3 in the Mathskeller
	Ms. Meyer: MT 10:00-11:00 in 906 POT, T 11-12 in the Mathskeller

Grading Policy

This syllabus complements the information found on the main course webpage: *http* : *//www.ms.uky.edu/* ∼ *ma*113*/s.*14*/.*

There are 3 hour exams in the evening from 5:00–7:00 PM on Tuesday,11 February, 11 March, and 15 April. The final Exam is on Wednesday, 7 May, 8:30–10:30 PM. The rooms will be listed on the main course syllabus.

The Grading Policy is exactly as given on the Main Course Syllabus. The total course score is 500. Each of the four exams is worth 100 points. The remaining 100 points will be determined as follows: Take the sum of 100 for Web Wrok homework, 60 points for the written assignments (6 assignments at

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10 points each), and 40 points for class attendance (explained below) to obtain a maximum of 200 then divide by two to get 100 points. The student's total out of 500 will be converted to the standard letter grade: A: 90-100, B, 80-89, C, 70-79, D 60-69, and E below 60. You are guaranteed to receive the appropriate letter grade according to this scale or higher.

Attendance in lectures will be taken 20 times during the semester. Students will be asked to sign an attendance sheet distributed before the class.

MA193

MA 193. This is an optional one credit hour course graded pass/fail. You must be enrolled in the same 193 section as your 113 section. To pass MA 193 you must pass MA 113 and have had no more than two unexcused absences in recitation. **Recitation attendance for MA 193 is required (with no more than two unexcused absences). If you fail MA113 or have more than 2 unexcused absences from recitation, you will fail MA193.**

Course Content

The main topics of Calculus I include differentiation and integration. We will begin with a review of functions. It is essential that each student understand what a function is and also know about trigonometric functions, the exponential function, and the logarithm. We'll discuss limits, tangent lines, and continuity. We will then generalize from the notion of slope to the derivative. Various applications of the derivative will be given coming from physics and economics. We will then discuss the anti-derivative (the indefinite integral).

Web Work, non-credit quizzes, and the six written assignments

It is essential that each student work as many problems as possible. There is a list of suggested problems on the syllabus. Work sheets and these problems will be discussed in the recitations. **The students must bring the worksheet to the recitation.** Also, quizzes will be given in the recitation as posted on the main course calendar. The quiz solutions will be discussed and posted on the web site, but not graded.

There will be six written, graded assignments that each student is to complete and turn in in class on the days marked on the main calendar.

Office Hours and the Mathskeller

The instructor and the two TAs will hold their office hours in their offices and also in the Mathskeller, located in the basement of the Classroom Building. This is a good place to go for help anytime. The schedule of tutors is posted there. Office hours are listed at the top of the first page. The Study also provides tutors for MA 113.

Other Rules

1. Calculators are allowed for the exams and quizzes as specified on the Main Course Syllabus.

2. You are expected to take the exams as scheduled unless you have an excused absence. You must discuss this with the instructor before the exam, except in the case of a medical emergency.

3. All exams are closed book: no papers or books are allowed.

4. *Cheating in any form will not be tolerated.*

Special Dates

20 January	Martin Luther King, Jr. Day–No class
22 January	Last day to add
5 February	Last day to drop a course without it appearing on the transcript
10 March	Midterm grade reports
11 April	Last date to withdraw
17–21 March	Spring break–No class
2 May	Last day of class
7 May	Final Exam