Instructor's Syllabus:
Ma 213, Sections 005-6 Spring 2012

CLICK HERE FOR CLASS MATERIALS AND LECTURE NOTES
REVIEW FOR MIDTERM 1

MA213 is a third course in calculus, covering primarily the geometry of two and three dimensions and the calculus of functions of two and three variables.

Prereq: Math 113 and MA 114 or consent of the mathemetics department.

MA 113 005-6	Lecture	Rec Sec 005	Rec Sec 006
Instructor	Paul Eakin	Theodoros Kyriopoulos	Theodoros Kyriopoulos
Office	777 POT	706 POT	706 POT
Phone	257-6787		
Office Hours	1:00-2:00 M and by appt.	11:55-12:25 Th	11:55-12:25 Th
Mathskeller Hours	12:00-1:00 MWF	3:00-5:00 T	3:00-5:00 T
Class time/place	11:00-11:50 MWF in CB 349	11:00-12:00 TR CB 349	12:30-1:30 TR CB 349
Class Syllabus	Syllabus	Syllabus	Syllabus

In addition to normal Office Hours and Mathskeller Hours, you can also make appointments - just see the instuctor before or after class or send e-mail to paul@ms.uky.edu.

Grades:
There are a total of 500 points to be earned in the course.

Points for Course Activities (total = 500)	
Activity	Credit to be earned
Exams (4)	360
Web Homework	40
Attendance/participation	20
Recitation Quizzes (4)	80

Each of the four exams counts 90 points.
A recitation quiz preceeding each exam counts 20 points.
The web homework counts 40 points. This is assigned as a percentage of the total number of problems done with 95% of homework problems earning all 40 points.
Attendance (taken essentially every day) counts 20 points. This is assigned as a percentage of lsessions attended or excused with credit automatically given for two unexcused absences.
The individual exam scores will be curved so that the average of all scores of at least 33% (30 out of 90) is shifted to 75.55% (68/90) .
Exam and quiz scores and the number of curve points for an exam are always reported as whole numbers. Rounding is always to the nearest integer (1.5 rounds to 2, 1.49 round to 1).
The grades in the course are based on total points earned:
A grade of A corresponds to at least 450 points (90%)
A grade of B corresponds to at least 400 points (80%)
A grade of CA corresponds to at least 350 points (70%)
A grade of D corresponds to at least 300 points (60%)
A grade of E corresponds to at most 299 points (less than 60%)

Instructors and Class Meetings: Section 5-6 have a common lecturer in addition to a recitation instructor. Each recitation session is 50 minutes in length. Attendance at all lectures and all recitation sessions for a section is required.
Textbook: The official textbook for the cours is *Calculus (Early Transcendentals)*, 6th edition, by James Stewart, ISBN 978-0-495-01166-8 or 0-495-01166-5.
It is the case that earlier editions, particularly the fifth edition contain all of the relevant material in essentially the same order. Since the homework is web-based and not directly from the text, students willing to work by topic should be able to work use the fifth edition.
Topics to be covered include: Vectors and the geomery of space, vector functions, partial derivatives, integration in multiple variables, optimization of functions of multiple variables, multiple integrals, and higher dimensional versions of the fundamental theorem of calculus.
A preliminary day-by-day syllabus is at this link. Please note the "preliminary". The syllabus is subject to change depending on progress of the course. Note that the exams are listed on the calendar but the quizzes are not. These will be announced at least a week in advance.
Homework: This course uses a web based homework system called WHS. Students use the system to obtain homework assignments as well submit them for grading and, in general, to aid in communicating with their instructors as well as for tracking their progress in the class.

1. Each student has a personal version of each assignment which must be completed before the assignment deadline.
2. Prior to the assignment deadline you can submit answers for any subset of your problems at any time. The computer will check only the ones submitted. In particular, you can submit answers to individual problems.
3. Once you receive credit for a problem you retain credit for the problem even if you subsequently submit an incorrect answer to the problem.
4. If you submit an incorrect answer to a problem , you are allowed to submit again (as many times as needed) until you have the answer correct. There is no penalty for submitting an incorrect answer.
5. Many problems have multiple parts , You must correctly answer every part in the same submission to get credit for the problem. If your answer is not completely correct, the the computer will return the number (counting left to right, top to bottom) of the first answer box containing an incorrect submission.
6. Many answers take the form of an algebraic expression. These must be entered in a form that can be recognized by the computer. In general the computer understands the "calculator syntax" of expressions that may be entered into your scientific calculator. If the computer cannot parse an answer it will place a question mark ("?") after the answer box upon your clicking the mouse in any area outside the answer box. It it can understand your answer it will enter "OK". Note that "OK" does not mean the answer is correct. It simply means that the computer can understand what you have entered,
7. **Working together or even with a tutor on the homework is NOT considered cheating. Indeed, students are strongly encouraged to work together on the homework problems.**
8. Submissions of versions other than the student's personal version as well as submissions after the deadline (midnight of the due date) receive no credit.

Homework Feedback: When you make a submission with the homework system it returns the original homework page with sections open after each problem for which an answer was submitted. This says whether the submitted answer was correct. If the assignment has not expired then, in case there are multiple parts, it give the first incorrect part. If the assignment has expired it gives the expected answer. It also contains a "Feedback" text area within which you can ask about the problem. Enter your question. This can be done using full mathematics notation using the same "calculator syntax" used to enter answers. To "send" your question you must submit the assignment again. Your instructors will make every effort to respond within 24 hours.
Exams are paper tests and will be hand-graded by the instructors who will be evaluating the understanding of the material communicated by the student's work. Students are both permitted and expected to use calculators on the examinations for routine arithmetic and built-in function evaluation. However , `answers' simply taken as output from calculator routines will generally not receive any credit. Keep in mind that calculators with symboloc manipulation capabilities and communication devices of any kind may not be used or operated in any manner during an exam.
Course Topics: The topics and approximate dates are listed in the course calendar on the course home page.

Attendance and Participation: Attendance will be taken at almost every lecture and recitations by circulation of an attendance sheet. There are 20 course points to be earned through attendance. These points are allocated as a percentage of classes and recitations attended with excused absences and the first two unexcused absences counted as having been attended for this purpose.
Attendance sheets will be circulated during each lecture. Students are expected to sign the attendance sheet in a box by their name. Students who were ill, had emergencies, or had excused absences **must** note on the attendance sheet at the next class meeting they attend, the dates and reasons for all absences since their last attendance.

Recration: There are 80 points to be earned in recitation through quizzes.

Cheating (including plagiarism): The UK Senate Rules contains the following (p.169)
Cheating is defined by its general usage. It includes, but is not limited to, the wrongfully giving, taking, or presenting any information or material by a student with the intent of aiding himself/herself or another on any academic work which is considered in any way in the determination of the final grade. The fact that a student could not have benefited from an action is not by itself proof that the action does not constitute cheating
It further (p.170) goes into excrutiating detail on the proceures that must be followed and penalties that can result from charges of cheating.
In the instructor's experience students are scrupulously honest and basically always act honorably and respectfully. In the absence of clear and convincing evidence to the contrary the assumption will be that this is the case for every student in this course. In the very unlikely event that such evidence materializes, it will be referred to the appropriate authorities under the **UK Senate Rules**.

modified: Sunday, February 12, 2012

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Modified 1/18/2008 12:55

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