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Syllabus for MA 110 Fall 2008

While MA 110 is not considered an advanced course, it is intended for students who are preparing for careers which require advanced mathematics. Consequently, the topics are carefully chosen to provide a solid foundation for further study, rather than a terminal course.

Students in this course should have taken a solid algebra II course in high school and should have an ACT math score of at least 23 (or some equivalent). Students who did not take a challenging mathematics course last year should expect to invest a substantial amount of initial effort in bringing their basic skills to the level of those that did.

Here is summary contact information as well as times and locations of class meetings and the like, as of the first day of class. **These are subject to change through the first two weeks of class.**

MA 110	Lecture Sec. 1,2,3	Rec. sec.1	Rec. Sec.2	Rec. Sec.3
Instructor	Avinash Sathaye	Tiser	Tiser	Corral
Office	703 P.O.T.	802 P.O.T.	802 P.O.T.	718 P.O.T.
Phone	257-8832	257-6816	257-6816	
E-Mail	sathaye@uky.edu	gtiser@ms.uky.edu	gtiser@ms.uky.edu	lcorral@ms.uky.edu
Office Hours	By appt.	10:45-11:45 TR in POT 802	10:45-11:45 TR in POT 802	11:00 am-12:00 pm in POT 718
Mathskeller Hours	MWF 10:10 - 11:00	3-4 Friday	3-4 Friday	3-3:30 pm TR
Class	MWF 9:00-9:50 SRB 303	TR 8:00-8:50 CB 217	TR 9:30-10:20 TPC113	TR 12:30-1:20 MAIN 5

MA 110	Lecture Sec. 4,5,6	Rec. Sec.4	Rec. Sec.5	Rec. Sec.6
Instructor	Paul Eakin	Xiaoxu Li (Ann)	Megan Gier	Xiaoxu Li (Ann)
Office	961 P.O.T.		706 POT	
Phone	257-3641 or 323-2849		257-6805	
E-Mail	paul@ms.uky.edu	xnli2@uky.edu	mgier@ms.uky.edu	xnli2@uky.edu
Office Hours	M 12:00-1:00 and by appointment	1-2 p.m. TR in POT 922	F 1:00-2:00 P, W 11:00-12:00 A	1-2 p.m. TR in POT 922
Mathskeller Hours	9-10,11-12 MWF	2-3 p.m. Wed	R 1:00-2:00 P	2-3 p.m. Wed
Class	MWF 1:00-1:50 CB 110	TR 2:00-2:50 CP 397	TR 11:00-11:50 CP 208	TR 3:30-4:20 CP 397

In addition to normal Office Hours and Mathskeller Hours, you can also make appointments to see any of the instructors -- just see them before or after class or send e-mail. Also, if you feel that a group problem session is preferable, just ask that it be organized.

The **current exam** schedule is as follows. We expect to change the time to be from 5:00 PM to 7:00 PM in rooms to be announced.

Exam	Date	Time	Location
Exam 1	Fri Sept 26, 2008	5:00 PM to 7:00 PM	TBA
Exam 2	Fri Oct 24, 2008	5:00 PM to 7:00 PM	TBA
Exam 3	Fri Nov 21, 2008	5:00 PM to 7:00 PM	TBA
Final Exam	TBA	TBA	TBA

Any changes in the schedule will be announced no less than two weeks in advance of the affected exam.

Generalities: The formal course prerequisites are high school algebra II and an ACT math score of at least 23.

Credit: This course carries four semester hours credit.

Instructors and Class Meetings: All sections have a common lectures in addition to a recitations. Lecture times are as shown above. Recitations are TR at different times and places for different sections as shown in your registration. Each recitation session is 50 minutes in length. **Attendance at all lectures and all recitation sessions for a section is required and is a factor in the course grade.**

Textbook: The textbook is *Precalculus with Trigonometry* by Avinash Sathaye. The text and course related handouts can be downloaded at no cost at [Ma 110 Text](#). A pre-printed and bound copy of the 260 page text along with some initial course related handouts can be purchased for \$21 at Johnny Print, across from the Law School on Limestone Street.

Homework: This course uses a web based homework system called WHS. Students use the system to obtain homework assignments as well submit them for immediate grading. The system is also used in communicating with their instructors and for tracking their progress in the class. The homework assignments corresponding to each exam period are marked by letter codes A,B,C,D respectively.

For instructions on how to use WHS, please check the course web page.

Each student has a personal version of each assignment which must be completed before the assignment deadline. There are typically two recitation sessions and a lecture on the material before the final assignment deadline. The system records the number of problems which are submitted with a correct answer. If you submit an incorrect answer, you are allowed to submit again (as many times as needed) until you have the correct answer. There is no penalty for submitting an incorrect answer. Students are **permitted and, in fact, encouraged to work together on the homework problems.**

Homework credit: 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.

Examinations: There will be three mid-term examinations and one final exam. The examinations will be scheduled as shown in the table above. All examinations will be common, except different students may get slightly different versions of the same examination. Each of the examinations will be focused primarily on the material from the lectures, recitation, and homework from the corresponding exam period. However, students are responsible for all material covered up to that exam, including material from previous exam periods. The final will be comprehensive.

Exams are hand written and will be hand-graded by the instructors whose primary concern will be an evaluation of 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. Sophisticated features may be used for such things as gaining intuition about a problem or cross-checking answers. However, 'answers' simply taken as output from calculator routines, without explanation or justification, will generally not receive any credit.

Course Topics: A detailed handout is available on the [course web page](#) and distributed with the printed copy of the book listing different topics to be covered during each lecture and each exam as well as the due dates for various homeworks. This list may be updated if necessary during the semester. Thus, the posted list on the course web page shall be treated as the final authority.

Final Exam: The final examination will be over all the material of the course.

Grades: There are a total of **500 points** to be earned in the course. The grading scale is:

A At least 90% or at least 450 points

B At least 80% or at least 400 points

C At least 70% or at least 350 points

D At least 60% or at least 300 points

E Below 60% or below 300 points

These points can be earned through the following activities:

Exams and Final	385 points	77% of course grade
Online homework	40 points	8% of course grade
Attendance and participation	25 points	5% of course grade
Recitation	50 points	10% of course grade
Total	500 points	100% of course grade

Exams and Homework: Each midterm exam counts **100 points** split as **90 points** for the graded exam and **10 points** for the on-line homework during the corresponding period. The exam part of the grade is curved by adding a non-negative integer adjustment so as to make the overall mean score on the exam no smaller than 75%. **In doing this calculation, "outliers" such as papers exhibiting no serious effort, are omitted.**

The calculation for the **final exam** is similar to that of the other exams except that there are 115 points for the written part of the final and 10 points for the corresponding homework, giving a total point count of 125.

Attendance and Participation: Attendance will be taken at each lecture.

There are **25 attendance points**. Each student is allowed two unexcused absences from lectures. Each unexcused absence beyond those two deducts three attendance points.

Recitation: Recitation points will be assigned by the recitation instructor. The assignment may be on the basis of attendance, participation, and in-recitation graded work which may be done individually or in groups. The grading policy will be **announced by your recitation instructor.**

Cheating Collaboration for the online homework is **not considered** cheating.

Any form of representing the work of others as your own to gain academic credit or advantage is cheating. Helping someone else to cheat is cheating. For instance, signing the attendance sheet for someone else is cheating.

Individuals caught cheating receive failing grades in the course and be reported to the proper university administrators.

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