

# Mathematics 1100

College Algebra for Calculus Bound Students  
Fall Semester 2006

Instructor: Michael Pemberton

Office: Math Science 10  
Office Hours: T: 11:00 - 12:00 PM; R: 10:00 - 11:00 AM; or by appointment.  
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Web: <http://math1100.dizzy.at>  
Class Times: Math 1100 (Section 11) - MTWRF: 12:00 - 12:50 PM; A&S 233.

Placement: To remain enrolled in College Algebra (MATH 1100 or 1120) at MU, you must have satisfied ONE of the following requirements:

1. Have obtained a grade in the C range in Intermediate Algebra (MATH 0110 or MATH 5) at MU or at another accredited institution of higher learning.
2. Have an officially documented ACT math sub-score of 22 or higher.
3. Have an officially documented SAT math sub-score of 520 or higher.
4. Have a score of 19 or higher on the MMPT.
5. Have a scaled score of 22 or higher on the MPECA test.

If you do not meet the placement requirements, you will be dropped from Math 1100 or 1120, after September 1. By that time you will no longer be able to register for a substitute class, thus jeopardizing your residency requirements of twelve credit hours per semester, or your full-time student status.

Please note that it is your responsibility to make sure that you have met the placement requirements before registering for College Algebra.

If in doubt, check with your advisor. If you do not meet the criteria to remain in Math 1100, and you have not already pre-registered to take the MPECA placement exam, you still have the chance to take that exam for a \$45.00 fee, on August 18, 21, or on August 22, which will be the last time when it is offered this semester; as long as you have not taken the MPECA after September 1, 2005. On those three dates, the MPECA will be administered at 2:00 PM, in 218 Parker Hall. No appointment is needed to take the test. Students will need though to report no later than 1:45 PM to register and pay the \$45 test fee. This fee can be paid in cash, check, or money order, made to the University of Missouri. No credit card charges are accepted. All pertinent information regarding the MPECA and its administration can be found on the web site:

<http://www.math.missouri.edu/courses/placement/index.html>

Please note that students with a disability who need special accommodations must contact Testing Services in advance.

**Purpose:** Math 1100 is a basic skills course, which satisfies a variety of requirements. It offers a solid mathematical background to those of you who intend to take Calculus. If your major requires that you take Calculus for Business (Math 1320) or Calculus for the Social/Biological Sciences (Math 1400), then Math 1100 is the prerequisite course. For some of you, Math 1100 may fulfill part of the general education requirements for your degree.

**Content:** The focus of the course is on learning techniques for solving various types of equations and inequalities; become familiar with the concept of function, a unifying theme in all mathematics; study and apply the properties of polynomial, rational, exponential and logarithmic functions; and use the power of algebra in mathematical modeling and problem solving. The textbook you will use abounds with real world applications of College Algebra. I sincerely hope that you find those interesting and many relevant to your field of study.

**Materials:** *Textbook:* College Algebra, by Beecher, Penna and Bittinger; 2<sup>nd</sup> Edition; Addison-Wesley.

*Student Solution Manual:* Written by the same authors as the textbook contains worked out solutions to all odd numbered exercises from the text and complete solutions to the chapter review problems and chapter tests.

*MyMathLab Access Kit:* MyMathLab is designed to help you succeed in learning and understanding mathematics. It gives you access to a multimedia textbook an online version of your textbook with links to multimedia resources such as video clips, practice exercises, animations, and tutorials, all correlated to the examples and exercises in the text. Those resources can also be accessed from the Homework window while working through online exercises.

Moreover, through MyMathLab you will be able to access the Lecture Video Series online. These are videotapes of lectures, which explain and highlight every section of the textbook. You will also be able to access online all the additional supplements that come with the purchase of a textbook through MyMathLab's Multimedia Library.

Finally, MyMathLab will track your progress at the objective level. MyMathLab will record and report all your grades to your teacher. You may view your grades and a progress report anytime using the Gradebook button of MyMathLab. MyMathLab is required in Math 1100, since all graded homework assignments must be submitted online.

*Lab Worksheets:* Packet of worksheets with the accompanying CD-ROM, MU Custom Publishing.

*Casio FX 9750G Plus or CFX-9850GB Plus Graphing Calculator:* A graphics calculator is required in Math 1100 as all instruction is done using Casio FX 9750G Plus or CFX-9850GB Plus. Other calculators are NOT acceptable and CANNOT be used on tests.

- Attendance:** You are expected to attend all scheduled class sessions, and attendance will be taken during each class period. Teachers are encouraged to report students with four to six absences to their dean. Teachers are entitled to drop a student from the course with the grade F, or W, if the student has 9 or more absences. If you are to miss class for any reason, it is best to contact your instructor and explain the situation. However, calling your instructor does not excuse the absence. Students who are more than 10 minutes late to class or leave early will be counted absent. Also, I ask that you please turn off electronic devices before the start of class.
- Class Work:** Besides the traditional lecture, you will engage in various in-class activities comprising problem solving, and practice exercises.
- Homework:** Practice Exercises will be assigned from the text. Those are due by the next class period. It is essential that you do these. Moreover, a subset of those will constitute your Graded Homework to be done entirely and submitted using MyMathLab. The deadline for the latest possible submission of the Graded Homework can be found in MyMathLab's Calendar.
- Doing your homework regularly and diligently is essential, if you are to succeed in this course. Please keep in mind that your Graded Homework counts as much as an hourly test.
- Quizzes:** There will be at least 20 quizzes dispersed throughout the semester. Generally, you will be given a two quizzes a week. However, you should always be prepared for a pop quiz. There will be no make-up quizzes! The lowest two quiz scores will be dropped at the end of the semester.
- Exams:** There will be three hourly evening exams and a two-hour final exam. The hourly evening exams will be conducted at a location other than our regular classroom. Please note that the location of the final exam will also differ from that of the evening exams. You may access all pertinent information regarding the date, time, and location of your exams from MyMathLab by clicking on the yellow button Exam Information. Please note that you **MUST** go to the locations where your section has been assigned to take its exams. If you go to a different location to take an exam than the one designated for the section you are registered in, your exam will not be accepted.
- Make-Up Policy:** All pertinent information regarding make-ups and make-up policies can be found on MyMathLab by clicking the yellow button Course Information, then clicking on Homework Quizzes and Exams, then Exams. Make-up exams will only be given for officially documented reasons beyond the control of the student, such as illness or accident. The Course Coordinator, Sandi Athanassiou administers all the make-ups. Missed quizzes cannot be made up, and homework turned in late will never be accepted.

**Grades:** For a grade breakdown and for a detailed explanation on how your letter grade will be computed at the end of the semester, go to MyMathLab, click on the yellow button Course Information, then click on Figuring Your Grade.

**Course Syllabus:** For a detailed course syllabus including all assignments and their due dates, go to MyMathLab, then click on the yellow button Syllabus.

**Academic Support:** Besides my office hours, I urge you to utilize all the academic support that is available to you through the Instructor's Extended Office Hours and the Learning Centers evening tutorials. All these services are available to you free of charge. For detailed information regarding academic support, go to MyMathLab, click on Course Information, then on Academic & Other Support.

**Disability Services:** Please inform me privately after class, or in my office and as soon as possible, if:

1. You have a disability and need accommodations (for example, extended testing time, note-takers, large print materials).
2. Your instructor must know of any emergency medical information about you.
3. You need special arrangements in case the building must be evacuated.

To request academic accommodations students must be registered with the Office of Disability Services, AO38 Brady Commons, (882-4696). It is the campus office responsible for reviewing documentation provided by students requesting academic accommodations. All accommodations consistent with course requirements are done through that office. Another resource, MU's Adaptive Computing Technology Center, 884-2828, is also there to provide computing assistance to students with disabilities. The course coordinator must sign all and turn in forms provided by the Office of Disability Services at least one week in advance.

**Academic Integrity:** Academic honesty is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person's work has been responsibly and honorably acquired, developed and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards academic dishonesty as an offense against the University, with serious consequences that may range from probation, receiving an F in the course, to suspension or dismissal. The University has specific academic dishonesty administrative procedures, and all instances of academic dishonesty will be reported first to the course coordinator and then to the Provost's office. In particular, it is NEVER permissible to turn in any work that has been copied from another student. The Provost will then determine whether any punitive actions should be taken and this in accordance with the rules and regulations of the University.

Coordinator: The Math 1100 coordinator is Sandi Athanassiou who is also the lower division math coordinator (Office: Math Sciences 100; Phone: 882-4549). If unavailable, she can best be reached by email at the following address: sandi@math.missouri.edu. Do feel free to contact Sandi Athanassiou, if you have any questions or concerns regarding this course. Any student complaints should also be reported to the lower division coordinator who will then take appropriate steps towards resolving the problem situation.

Wishing you an enjoyable, informative, and productive semester,

Michael Pemberton