MATH 1030, COLLEGE ALGEBRA
SYLLABUS Section E01 (Class #13284)

COURSE TITLE: College Algebra
CREDIT: 3 credit hours
SEMESTER: Fall 2011
TEXT: *College Algebra and Trigonometry* by Blitzer, 4th edition.
SOFTWARE: MyMathLab.

COURSE DESCRIPTION: This is a course in Algebra. The course is computer-assisted, which means students will use the computer (along with the instructor) to complete the course. Topics include linear, quadratic, and rational equations and inequalities, the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), the graphs of some of these functions, and systems of equations.

INSTRUCTOR: Al Stanger
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OFFICE HOURS: Monday 6:00 p.m. – 7:00 p.m., 222 SSB
Tuesday and Thursday 4:00 p.m. – 5:00 p.m. 222 SSB
or by appointment

PREREQUISITES: You must have a score of 22 or higher on the ACT Math sub-test; or a grade of C or better in a two or four year college intermediate algebra course; or a score of 22 or higher on the UMSL Math Placement Test, obtained in the six months prior to enrollment in this course. If a record of your prerequisites is not in the UMSL computer system, you will be asked to provide verification by the end of the first week of classes; otherwise you will be administratively dropped from course.

E-MAIL REQUIREMENT:
All correspondence will be made through the e-mail address that you register with in CourseCompass or your student e-mail. Make sure to check your e-mail frequently. If you use your UMSL email address please be aware that your mailbox is limited in size. If your mailbox is full you will not receive the instructor's e-mails containing important course information. Please check your mailbox capacity and empty it when it is full.

COURSECOMPASS (http://www.coursecompass.com)
This is a computer-assisted course. Students will use the computer to do homework, get help, and prepare for the tests. The first day of class you will register using the access code that accompanies your textbook and the Math1030 section E01 Course Access Code **stanger39815**. You must register using the same name that is listed on gateway and please do not reverse your first and last name. Please use an e-mail address that you check frequently as most communication from the instructor will be via e-mail.

Weekly reading assignments, pencasts of weekly lectures, extra practice problems and solutions, solutions to quizzes and tests, and a copy of the syllabus are among the material that will be posted in the **Course Documents** folder on this site. To ensure that you have the correct copies, please print or view your assignments from the machines on campus. You should save the document to the computer before printing.

HELP:
Help is available outside class:
   (1) CourseCompass
   (2) MTLC -- You can do your homework and get help from the TA's and other instructors during the following times.

           8 a.m. – 3 p.m. Mondays and Wednesdays
           8 a.m. – 5 p.m. Tuesdays and Thursdays
   (3) Your instructor's office hours (listed above). You may attend any of the Math 1030 instructors' office hours.
   (4) Free tutoring is available in the Math Lab in 222 SSB in the daytime, evenings and weekends. Visit (http://www.cs.umsl.edu/lab/mathlab.html) for more details.

STRUCTURE OF THE COURSE

ATTENDANCE: This class meets three times a week. Attendance will be recorded daily. Announcements of any changes in the syllabus, test dates, or assignments will be made in class. The **lectures and labs are mandatory** for everyone prior to the first exam. The last two lectures for the semester are also mandatory even if you meet the below conditions. **Two points per missing lecture and/or lab will be taken off your next quiz grade** unless you are excused or you meet **all of the** following conditions:
   ▪ You have an 80% or better in your last exam
   ▪ You have an 80% or better in your exam average.
   ▪ You have an 80% or better course average
   ▪ You have an 80% or better quiz average
   ▪ You have an 80% or better homework average

You are encouraged not to miss a lecture even if you qualify to miss. Some of the problems are done in easier methods than CourseCompass. **Coming to a class meeting late or leaving early** without a proper and prior excuse will be counted as not attending that meeting at all. Once you are in the classroom, please turn off all your pagers or cell phones. Working on your laptop is not allowed during the lectures. Use of Cell phones is **forbidden during the labs and lectures.**

HOMEWORK: Working homework problems is the best preparation for quizzes and tests. You will use CourseCompass to do your homework. The problems are similar to the problems presented during lecture. Each problem can be **completed as many times** as needed. Simply click on the **"Similar Exercise"** button and redo the problem until you have a perfect score. You may **practice the problems as many times as you need** to in order to master the knowledge and skills to do well on the tests and quizzes. The score from the last attempt **is** kept as the grade for

that section. Use the **GRADEBOOK** if you want to review a problem once you have completed it. The immediate feedback and guided solutions are great help. You can ask questions from your instructor, teaching assistants, or other students. **It is recommended** that you print the completed homework so that you can refer to them in class and use them to study for the quizzes and exams. The homework grade will be calculated by taking the average of all the homework assignments. You are expected to spend at least two hours outside of class for each hour of class time.   Late homework is not allowed.

- The homework should be done **gradually** and not on the due date.
- Make sure to **redo the problems on your own** once after getting help. Some students complain that they can do the homework but fail the quizzes. In the majority of those cases, the grade on the test and quizzes will drastically increase if you redo a problem after getting help**.**
- You need to **have a notebook** with the homework problems you are doing prior to keying your answer in the computer. This will help you with preparations for quiz and test reviews. At the time of each hourly exam, the notebook is checked and **20% is subtracted from your final homework grade** if you don't maintain this notebook. You can print the homework assignment and show your work in the provided space. You may keep these notes in a binder instead of a showing your work in a notebook.
- In case you have done the problem correctly but the computer counted it wrong, click on the "**Ask My Instructor**" button. Write down that you have the problem correct in the body of the message. Your **grade will be changed if it is verified** that you have the correct answer and only **after the due** date for the homework assignment. You can also print the message showing your answer and the correct answer and show it to your instructor.

EXTRA PRACTICE: Extra practice problems and their solutions are posted weekly and also before each test.   These worksheets are a summary of the material that you will learn are a very good review prior to taking the quizzes and tests. Completing the worksheets is optional.

QUIZZES: There is a quiz over the material from the homework assignment each week.   There are 15 quizzes including the syllabus quiz. *No make-up* is given for the quizzes and **your lowest grade for the semester will be dropped**. The quizzes are all online and with the exception of the three take home quizzes have to be taken in the lab at a designated time. You have to show your work for the quizzes whether they are on paper or online. Paper will be provided for the online quizzes. Solutions for the quizzes will be posted and the quiz (if online) will be available for you to review by the Wednesday morning following the quiz. You are expected to print the solutions, print the online quiz, and add your work from the quiz.

TEST REVIEWS: Before each test you must complete the Test Review assignment on CourseCompass. Your grade for this review will count as a homework grade and you **MUST** have it completed with a **grade of 70% or better PRIOR** to the scheduled test time. **PLEASE NOTE** that the CourseCompass system will **NOT** allow you access to the test until this prerequisite is met and you will **NOT** be allowed to take the test at a different time. The test review is posted one week prior to the test. **NOTE**: The review is a long assignment and you

should start working on it as soon as possible.

TESTS: Four tests will be given during the dates noted on the calendar. The tests are very similar to the homework, worksheets, and quizzes. The test dates on the syllabus are *approximate* and subject to change. You have to show your work for the exams whether they are on paper or online. Paper will be provided for the online exams. Solutions for the tests will be posted and the test (if online) will be available for you to review by the Wednesday morning following the test. You are expected to print the solutions, print the online test, and add your work from the test.

A make-up test may be given only in a case of verifiable emergency and only if you contact your instructor prior to the test; illness requires a doctor's excuse. The test should be made up immediately after returning to school. Students who play sports for UMSL and have to miss a quiz /test due to a scheduled game need to talk to their instructor and plan the time to make up the missed work prior to their scheduled game.   Any make-up test will be longer and more difficult than the test given in class. The makeup exam often will not be the same format as the regular test.

FINAL EXAM:
The **mandatory** FINAL EXAM will be comprehensive and worth 200 points. . The final exam will be given on **Tuesday, December 13, 5:30 pm. – 7:30 pm.** The final exam is not online and will be graded manually. The final exam is not multiple- choice format. Your course grade can't be more than one letter grade higher than your final exam grade, i.e. the best grade you can get will be a D if you fail the final exam. There will be practice exam questions provided prior to the final exam.

COURSE GRADE:
Your **course grade** will be based on:

Homework	100 Points
Quizzes	100 Points
Test 1	100 points
Test 2	100 Points
Test 3	100 Points
Test 4	100 Points
Final Exam	200 Points
Total	800 Points

The grade scale is as follows:

720 – 800	A	A or A-
640 – 719	B	B+, B, or B-
560 –639	C	C+, C, C-
480 – 559	D	
Below 480	F	

You need to follow the proper procedure for **dropping** the course. A grade of F will be assigned to a student whose name is still on the final class roster and has not dropped the course officially.

This grade will not be changed retroactively. Delayed grades can be given only for a situation where a student has completed all the work, with a grade of C- or above, and has to miss the final exam because of an emergency. Delayed grades have to be approved by the Department of Mathematics and Computer Science.

ALL PERSONAL ELECTRONIC DEVICES MUST BE TURNED OFF IN THE CLASSROOM !!!

ACADEMIC DISHONESTY:

When one takes credit for another's work or uses unauthorized devices (such as calculators) in the course, when they are expressly forbidden, it is cheating. This may occur during in class exams/quizzes or take-home exams/quizzes in this course. The code of student conduct is in the *UM-St. Louis Student Handbook*.

According to the University's Collected Rules and Regulations (Chapter 200: Student Conduct), the term **Cheating** includes but is not limited to: (i) use of any unauthorized assistance in taking quizzes, tests, or examinations; (ii) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (iii) acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff; or (iv) knowingly providing any unauthorized assistance to another student on quizzes, tests, or examinations. When cheating is determined, a zero grade will be given on the specific exam/quiz and the student(s) who is/are involved in the cheating will be reported to the Department of Mathematics and the Office of the Vice Chancellor for Student Affairs.

Having a formula sheet, a calculator, a cell phone during the test is cheating. Fake notes from the hospital and doctors and unverifiable excuses count as academic dishonesty.

Course Calendar

The following calendar includes the sections covered in the weekly lectures, weekly quizzes, and the schedule tests. The due dates for the worksheets and the review sheets along with the date of the quizzes and tests are shown. You will be informed of any changes to this calendar during the lecture and the labs. ***The official due date for the homework and the take home quizzes are at 5 p.m. of the indicated dates.*** The homework and take home quizzes will remain open until 11:58 but we don't take responsibility for any computer related problems. ***Test Reviews must be completed before your class time on the scheduled test day.***

	Tuesday	Thursday
August	**23** **Lecture 1** Section: 1.1, 1.2, 1.3	**25** **Quiz 1** Sections 1.1, 1.2, 1.3
September	**30** **Lecture 2** Sections: 1.4, 1.5, 1.6 **Syllabus Quiz Due**	**1** **Quiz 2** Sections 1.4, 1.5, 1.6
	6 **Lecture 3** Sections: 1.7, 2.1, 2.2	**8** Quiz 3 Sections 1.7, 2.1, 2.2
	13 **Lecture 4:** Sections 2.3, 2.4 Review for Test 1.	**15** **Review for test 1 due** **Test 1** Chapter 1, 2.1, 2.2
	20 **Lecture 5** Section: 2.5, 2.6, 2.8 **Quiz 4 Due** Sections 2.3 and 2.4	**22** **Quiz 5** Sections 2.5, 2.6, 2.8 **Work for Quiz 4 Due**
	27 **Lecture 6** Sections: 3.1, 3.2	**29** **Quiz 6** Sections 3.1, 3.2
October	**4** **Lecture 7** Sections: 3.3, 3.4	**6** **Quiz 7** Sections 3.3, 3.4

October	**11** **Lecture 8** Section 3.5, 3.6 Review for Test 2.	**13** **Review for test 2 due** **Test 2** Sections 2.3, 2.4, 2.5, 2.6, 2.8, 3.1, 3.2, 3.3, 3.4,
	18 **Lecture 9** Sections 3.7, 4.1, 4.2 **Quiz 8 Due** Section 3.5, 3.6	**20** **Quiz 9** Sections 3.7, 4.1, 4.2 **Work for Quiz 8 Due**
	25 **Lecture 10** Sections: 4.3, 4.4	**27** **Quiz 10** Sections 4.3, 4.4
November	**1** **Lecture 11** Section 8.1 Review for Test 3	**3** **Review for test 3 due** **Test 3** Sections 3.5, 3.6, 3.7, 4.1, 4.2, 4.3, 4.4
	8 **Lecture 12** Sections 8.2, 8.4 **Quiz 11 Due** Section 8. 1	**10** **Quiz 12** Section 8.2, 8.4 **Work for Quiz 11 Due**
	15 **Lecture 13** Sections: 9.1, 9.2, 9.5	**17** **Quiz 13** Section 9.1, 9.2, 9.3
<td colspan="3" align="center">**November 20 – 27 Fall Break**</td>		
	29 **Lecture 14** Sections: 11.1, 11.2, 11.3, 11.5	**1** **Quiz 14** Sections 11.1, 11.2, 11.3, 11.5
December	**6** Review for Test 4	**8** **Review for test 4 due** **Test 4** Chapters 8, 9, and 11

FINAL Exam Tuesday Dec 13th 5:30 p.m. -7:30 p.m.
Location will be announced during the last week of classes.