MAT 116-COLLEGE ALGEBRA
Section 05 CRN 20627
Spring 2010
Missouri Western State University
Department of Computer Science, Mathematics, and Physics

Instructor:  Mr. Steve Saffell                                      Phone:  816-271-4532
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Office Hours:  MWF at 8-9 a.m. and by appointment

Course:
MAT 116, Section 05 meets T R 11:00 a.m. – 12:20 p.m. in Murphy 224
Website:  http://www.coursecompass.com/                              Course ID:  saffell77797

Description:
Linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices.

Prerequisites:
The prerequisite for this course is an ACT Math score of at least 20 or the equivalent. (Not open to students with credit in MAT 167 or MAT 130.) If you do not satisfy the prerequisite, contact the Developmental Math Program or your academic advisor to determine which mathematics course you are prepared to enroll in.

Textbook:

Technology:
Use of graphing calculators is required throughout the course. Each student must have access to a suitable graphing calculator and bring it to each class period. The graphing calculator should have at least the capabilities of the Texas Instruments TI-83, the highly recommended calculator. The instructor may not be able to provide help with other models of calculators. You are responsible for learning how to use the calculation and graphing features on your calculator.

Grading Policy:
60 points,    Homework points based upon the percentage completion using MyMathLab
100 points,    Four 25-Point Quizzes
400 points,    Four 100-Point Tests
100 points,    Final Exam  May 11, 11:30 a.m. – 1:20 p.m.
660 points,    TOTAL possible
The final exam is considered to be a comprehensive exam.
Any student who accumulates at least 594 points is guaranteed an A. A total of 593-528 points guarantees a B, 527-462 points guarantees a C, 461-396 points guarantees a D, and less than 396 points guarantees a F.

Attendance Policy:
In order to improve student learning as well as to achieve compliance with federal financial aid policies, Western has a mandatory attendance policy for all 100- and 200-level courses.
You will be given an excused absence when acting as an official representative of the university, provided you give prior written verification from the faculty/staff supervisor of the event. The only other form of excused absence is a doctor’s visit with an official note including signature, message, date, and office phone number. Doctor visit excuse notes must be shown to instructor during the first returning class visit or else all days of absence concerned will become unexcused absences.
All other absences will be deemed unexcused. The maximum number of unexcused absences allowed for this class before the midterm report, March 26 is 3. Thus, when you have 4 unexcused absences you will be reported to the Registrar’s Office, who will automatically withdraw you from this class. The Financial Aid Office will reduce financial aid as appropriate.

*If you are absent, the instructor will not answer any questions you have over the material until you can document that you have read the section(s) you missed and took notes over the section(s).
**Quizzes, Tests, and Homework:**
Four quizzes and five tests are given during class. If you have an excused absence you must make arrangements to take the quiz or test before the class session in which the graded quizzes or tests are returned or a score of zero will be given. If you have an unexcused absence a make-up quiz or test will not be allowed without documented proof of illness or emergency. Contact the instructor immediately if you miss a quiz or test. Arrangements to take a make-up quiz or test for an unexcused absence must be made before any graded quizzes or tests are returned to the class or a score of zero will be given. Selected problems in MyMathLab will be assigned for you to work outside of class. The assigned problems are available on the course website. You are encouraged to complete all homework assignments and problems since understanding these problems should increase your success on quizzes and tests. Late homework assignments will only be accepted for excused absences and must be completed the day determine by the instructor. You are also encouraged to ask questions concerning the type of problems you don’t understand. You may get help with these problems during office hours and, as time permits, during class.

**Additional help is available through the Center for Academic Support in Hearnes Center 213.**

**Important Notes:**
- You are responsible for all announcements and material presented during the class period.
- Academic honesty is required in all academic endeavors. Violations of academic honesty include any instance of plagiarism, cheating, seeking credit for another’s work, falsifying documents or academic records, or any other fraudulent activity. Violations of academic honesty may result in a failing grade on the assignment, failure in the course, or expulsion from the University. When a student’s grade has been affected, violations of academic honesty will be reported to the Provost or designated representative on the Academic Honesty Violation Report forms. Please see the 2008-09 Student Handbook and Calendar on page 21 for specific activities identified as violations of this policy and the student due process procedure. This handbook is also available online at http://www.missouriwestern.edu/handbook/index.pdf
- Appropriate behavior is required in the classroom. Behavior disruptive to the instructor or other students is grounds for dismissal from the classroom. The use of cell phones and text messaging devices is not allowed. Refer to the current Student Code of Conduct for further information.
- If you have a disability which may impair your performance in this course, please discuss it with me (or contact Michael Ritter of Disability Services in Eder Hall 203N) so that appropriate arrangements may be made.

**Course Objectives:** This course is intended to satisfy the general studies mathematics requirement for a baccalaureate degree. It is also designed to serve as a prerequisite for future study in mathematics, such as calculus for business and nonphysical sciences and mathematics for elementary school teachers, and for future study in other disciplines. The course is designed to help students develop problem-solving skills. Successful students will be able to:
- read and understand an applied problem
- select an appropriate strategy on techniques (graphical, analytic, or numerical) relative to the problem
- perform appropriate operations to solve the problem

In addition, MAT116 addresses the following Missouri general education competencies:

**Communicating:** Students will demonstrate the ability to...
- use mathematical, statistical, standard quantitative, or various graphical methods to present information with clarity, accuracy, and precision.

**Higher-Order Thinking:** Students will demonstrate the ability to...
- formulate questions for clarifying issues and solving problems.
- use linguistic, mathematical, or other symbolic approaches to describe problems, identify alternative solutions, and make reasoned choices among those solutions.
- defend conclusions using relevant evidence and reasoned argument.
- reflect on and evaluate their critical-thinking processes.