MATH 1503
Survey of Mathematics

Course Description: *Prerequisite: Two units of high school Algebra and adequate placement scores (ACT or Compass) or successful completion of MATH 0123 (Intermediate Algebra) or MATH 0125 (Basic and Intermediate Algebra).* This course will focus on logic and problem solving, and consists of selected topics from geometry, probability and statistics, trigonometry, algebra, and applied mathematics. This class will not substitute as a prerequisite for any subsequent mathematics course (Statistics, Trigonometry, Modern Mathematics). (Cr. 3)

Course Objectives: This course is designed to give the student broad background in general mathematical topics and is intended as a terminal course for students whose mathematics requirement is satisfied by successful completion of this course. Upon completion of the course, the student will demonstrate proficiency in basic concepts of critical thinking; set theory; logic; the metric system; geometry; and consumer mathematics topics. *Additional topics that may be chosen for study include historical systems of numeration, probability and statistics.*

Instructor: Mr. Philip Hawthorne

Office: Sullivan 309   **Office Hours:** *TBA*
Phone: (918) 465-1786   **E-mail: phawthorne@eosc.edu**

Text and Materials: A Survey of Mathematics with Applications: 7th Edition by Angel, Abbott and Runde, Pearson/Addison Wesley Publishing Company. Additionally, a scientific calculator and graph paper will be required for this class.

Assignments, Grading and Make-up Policies: Your final grade will be based on total points possible. Tests, homework and quizzes will all be counted together. Therefore it is just as important for you to attend class and work all assignments as well as doing "fair" or better on tests.

- **Homework:** There will be a great deal of homework assigned for this course and a great deal of time should be spent doing the homework. Due to this fact, we feel that you should be rewarded for doing the assignments. Homework will be assigned for each section covered and will be due the second class period following the completion of the section of the text in class. Problems that require graphing should be completed on graph paper. Late homework will be penalized 25% and no homework will be accepted after a test has been given over the material. Homework point totals will vary based upon the length of the assignment. Credit will not be given for answers only. You must show your work to receive credit.

- **Quizzes:** Quizzes will be given throughout the semester, with or without warning. Quizzes will be worth 20 point each. There will be no make-up quizzes without absence justification and instructor approval.

- **Make-up work:** Make-up work for absences for college-related activities must be arranged in advance. Make-up quizzes for documented illness will be taken during an arranged time outside of the regularly scheduled class time or during the scheduled final examination time.

- **Exams:** Exams will be given periodically during the semester, each worth 100 points. The final exam will be a cumulative test worth up to 200 points.

- **Grades:** The final grade in this course will be assigned based on the following scale. The averages that receive a specific letter grade may be adjusted lower at the instructor's discretion but will not be raised.

  90% or higher -- A
  80% - 89% ------ B
  70% - 79% ------ C
  60% - 69% ------ D
  less than 60% -- F

Attendance: The key to being successful in this class is attending class, keeping up with your work, and asking for help when you need it. If you know you will be absent from class, you should contact the instructor as soon as possible to determine what material you will miss. The instructor will record student's daily attendance. The student must be present in class to take quizzes and exams. If a student knows prior to a class that he or she will be absent, arrangements to complete any missed work should be made prior to the class meeting. Students are expected to attend class, on time, and prepared for class work. AW's (Administrative Withdrawals) are not given except in extreme circumstances. It is the student's responsibility to come to class and to follow the withdrawal procedures if he or she has too many absences. Students who fail to attend class regularly may be administratively withdrawn from the class according to Eastern Oklahoma State College procedures. Failure of a student to attend class for two consecutive weeks or being absent from class four hundred (400) minutes during the semester without justification – equivalent to eight (8) fifty-minute class periods – may result in the instructor initiating administrative withdrawal procedures against the student.

Academic Integrity: Eastern's student conduct code, found in the Student Handbook, specifically prohibits "cheating, plagiarism, or other forms of academic dishonesty." Students are expected to do their own assignments and to discourage the sharing/cheating of work. Cheating on tests is not tolerated and could result in serious consequences, including possible dismissal from the class or from the college. Plagiarism (the use of another's work and claiming it as one's own) is not tolerated and could also result in serious consequences. Consequences and procedures are outlined in the Student Handbook.

Accommodations for Students with Disabilities: The faculty, staff, and administration at Eastern Oklahoma State College will adhere to the policies as set in the Americans With Disabilities Act (ADA) and are committed to making all reasonable accommodations for all qualified students with disabilities. It is, however, the student's responsibility to turn in all proper documentation to the Dean of Students Office outlining needs. This documentation must be established before any accommodations can be done by the instructor or made in the classroom. Please refer to the Student Handbook for more details or call the Dean of Students.

Additional Information:
- If you find that you need additional help with homework problems or have questions that were not addressed in class, the instructor is available to assist you during his scheduled office hours (posted on the door of his office) and there are tutors available in Student Support Services to assist you with the course.
- The instructor expects students turn off their cell phones when class begins. Cell phone use of any kind during a quiz or exam will result in a grade of 0 (zero) for that assignment.