THIS SYLLABUS WAS UPDATED ON NOVEMBER 7, 2016

Instructor: Ivan Zaigralin   ZaigraI@crc.losrios.edu
                                         melikamp@melikamp.com

Email is the primary and the most reliable way of contacting the instructor. Either address should work. When emailing, please always specify your real name (the same one as in the roster) and which class you are taking.

Office: LRC 150, M-F 10 am - 11 am, (916) 691-7086. Please let the instructor know if these hours do not work for you, and we can try to set up an appointment (allow 2 business days for reply).

Class Meetings: EGA 211, MW 5 pm - 5:50 pm.

Required Materials: *Elementary Algebra, 9th edition*, by Bittinger, Ellenbogen, Johnson. Online portion is not required. A slightly older edition should suffice. The students are responsible for reading every section covered in class.

Catalog Description: This course presents the fundamental concepts and operations of algebra with problem solving and critical thinking skills incorporated throughout. Topics include: review of properties of real numbers and signed numbers; algebraic expressions, solving linear equations and inequalities; solving linear systems of equations; graphing, properties of exponents; operations on polynomials.

Prerequisites: Math 30 with a grade of "C" or better; or equivalent skills demonstrated through the assessment process.

Methods of Instruction: Class meetings will feature a mix of lecture, discussion, very short quizzes, and group assignments. Several full-period in-class tests will be given.

Attendance: To succeed in this course, it is crucial that you come to class every day, alert and prepared to learn. Roll will be taken at the beginning of each class session. If you arrive after the class has started, please enter the room quietly and get on the roster at the end of the class. If you miss more than a half of a class session, you will be considered absent for that day. **If you miss the first class meeting without notifying me or the division administrator in advance, you will be dropped from the class. If you miss the total of** 6% **of instruction any time during the semester, you may be dropped from the class. These absences need not to be consecutive.** Exceptions will be made for documented cases of grave illness and/or family emergency.
https://www.crc.losrios.edu/catalog/geninfo/regulations

Homework: Homework serves as practice and will prepare you to do your best on quizzes and tests. Late homework will be accepted for 50% credit if it is less than 1 week late, and for 25% credit otherwise. Homework is crucial for learning the material as well as for succeeding in this class. Doing all homework is probably the most effective way to raise your test grades. You are welcome to work in groups while solving the homework, but you must submit your own work.

Quizzes: Short quizzes will be given at the beginning of some class sessions. **No make-up quizzes will be given for any reason.** 20% or so of the lowest quiz scores will be dropped, and the highest scores together will be worth 10% of the class grade.

Tests: There will be 3 tests. Together they will be worth 60% of the class grade. A single comprehensive makeup test will be given at the end of the semester for documented cases of grave illness and/or family emergency.

Final: The 2 hour comprehensive final exam will be given Monday, December 12 at 5:45 - 7:45 pm and will be worth 20% of the class grade. **You must earn at least** 60% **on the final in order to pass this class. There is no make-up final exam.**

Grading:

Grades versus %	
A	$90 - 100\%$
B	$80 - 89\%$
C	$70 - 79\%$
D	$60 - 69\%$
F	$0 - 59\%$

Grade Breakdown	
Tests	60%
Homework	10%
Quizzes	10%
Final	20%

Getting Help: If you have a question or a concern not addressed in this syllabus, please contact your instructor via email (allow 2 business days for reply). Moreover, the campus provides some resources to help you study:
`https://www.crc.losrios.edu/services`

Tutoring: The CRC Tutoring Center provides academic support services to CRC students. The Center facilitates drop-in tutoring, study skills coaching, study groups, and more.
`https://www.crc.losrios.edu/services/tutoring`
Additional tutors are available at the Math Center, which helps students to develop confidence and proficiency in their math skills. You must enroll in a variable unit course in order to use the Math Center.
`https://www.crc.losrios.edu/services/mathctr`

Cell Phones, Computers: Cell phones are prohibited. The use of computers and tablets during regular class meetings is OK as long as they are used for class work and are completely silent. During quizzes, tests, and the final, only non-networked calculators will be allowed.

Accommodations: Disability Support Programs & Services (DSP&S) provides equal educational opportunity for students with physical, psychological, or learning disabilities. Counseling, support services, and academic accommodations are provided to students who are eligible for the program.
The Cosumnes River College Learning Disabilities Program can provide support services and academic accommodations to students who have documentation of a specific learning disability from another school or professional. In addition, Diagnostic Assessment may be available for appropriately referred students who come to the DSP&S program for an orientation appointment.
If you have a learning disability, a physical disability, or other special needs, please let the instructor know as soon as possible if you need special accommodations.

Students have the right to request reasonable modifications to college requirements, services, facilities or programs if their documented disability imposes a functional educational limitation or impedes access to such requirements, services, facilities, or programs. A student with a disability who will be requesting modification, accommodation, or access to an auxiliary aid is required and responsible for identifying himself/herself to the instructor and, if desired, to the Disabled Students Programs and Services (DSP&S office). In either event, the student is responsible for providing appropriate documentation of his/her disability. Students who consult or request assistance from the DSP&S office regarding specific modifications, accommodations or use of auxiliary aid will be required to meet timelines and procedural requirements established by the DSP&S office.

`https://www.crc.losrios.edu/services/dsps`

Academic Honesty: Any instance of plagiarism and/or cheating will result in the score of zero for that homework, quiz, or test, and will be reported to the Vice President's office.

`https://www.crc.losrios.edu/catalog/geninfo/integrity`

Meta: The instructor reserves the right to make changes to this syllabus throughout the semester. All changes will be announced in class, and an updated version of the syllabus will be published online. Students are responsible for keeping up with these changes.

Student Learning Outcomes: Upon successful completion of this course, the student will be able to

- Use increased computational skills and number sense, recognizing the order of operations and the basic operations and properties of real numbers, including evaluating various mathematical formulas and extend operations to variable expressions and combining like terms.
  - Simplify expressions using the order of operations and basic properties of real numbers.
  - Compute with accuracy problems involving the basic operations of arithmetic (addition, subtraction, multiplication, division, exponents, order of operations) on signed numbers.
  - Multiply and divide numbers expressed in scientific notation.
  - Use and evaluate formulas with more than one variable.
- Solve first degree equations and inequalities and applications.
  - Identify the types of equations including consistent, contradiction and identity and demonstrate proficiency in techniques for their solution.
  - Solve linear inequalities and writing the solution in both set-builder and interval notation.
  - Apply problem solving skills to construct equations and inequalities for application problems and solve the application by solving the equation or inequality and appropriately interpreting the solution.
- Identify linear equations, and accurately graph linear equations using various techniques.
  - Interpret the slope of a line as a rate of change and to graph a line.
- Solve systems of linear equations as well as their applications and effectively organize, present, and summarize the quantitative information using algebraic, numerical and graphical methods.
  - Identify the types of 2x2 systems and calculate the solution to a 2x2 system of linear equations using the methods of graphing, substitution, and elimination.
  - Construct a system of linear equations for applications and solve the applications by solving the system and appropriately interpreting the solution.
- Apply mathematical terminology, symbols and operations and develop and extend arithmetic operations to polynomials and evaluate polynomial expressions.
  - Evaluate and expand polynomial expressions and expressions written in scientific notation.
  - Apply rules of exponents (including negative exponents) in the simplification of algebraic expressions.
  - Demonstrate proficiency in all arithmetic operations on polynomials, particularly multiplying using FOIL.
  - Use operations on polynomials to solve certain polynomial equations and applications.