

## **SYLLABUS: MATH 102 - INTRODUCTION TO ALGEBRA**

**Course Dates:** 10/02/2006 – 12/15/06

**Class Times:** Tuesday and Thursday, 5:30-7:35 PM

**Course Text:** Beginning Algebra (7th Edition), Gustafson and Frisk

**Instructor:** Dr. Torrance L. Trevorrow

**Office Hours:** By arrangement - usually before or after class

**Email:** [torrance.trevorrow@adjunct.chaminade.edu](mailto:torrance.trevorrow@adjunct.chaminade.edu)

**Alternate:** If system is "down": [numeroprime@yahoo.com](mailto:numeroprime@yahoo.com)

**COURSE DESCRIPTION:** This introductory algebra course requires competency in the basic arithmetic operations of real numbers (add, subtract, multiply, and divide fractions, decimals, and positive and negative numbers.) Topics and content may be modified at the instructor's discretion. After a brief review of the real number system and its basic properties, the topics to be covered may include but are not limited to:

- 1) Solving algebraic equations and inequalities
- 2) Graphing linear equations and inequalities
- 3) Solving systems of equations and inequalities
- 4) Simplifying polynomial expressions
- 5) Factoring polynomials
- 6) Simplifying rational expressions
- 7) Solving rational equations
- 8) Simplifying radical expressions
- 9) Solving radical equations
- 10) Solving quadratic equations

**REQUIRED MATERIALS:** calculator, graph paper, ruler, text, pencil, eraser etc.

**ATTENDANCE:** Students are expected to attend all classes. If you are unable to attend a class, you are responsible for the material that was covered. Often topics in mathematics are dependent on a mastery of previously presented material.

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**HOMEWORK:** It is the responsibility of the student to master the assigned homework and material covered in class. Students will present worked solutions from the homework section at the beginning of the next class.

**QUIZZES:** A quiz will be given after student presentations each day of class.

**GRADING:** Based on attendance, quizzes, class participation, and presentations according to the following percentages:

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|------------------------------------|-----|
| Class Participation, Presentations | 20% |
|------------------------------------|-----|

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| Quizzes and Final | 80% |
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**COURSE SCHEDULE:** To be provided in class. As a guideline we will be covering the first nine chapters in varying degrees which may be modified according to class interests and abilities.

**ACADEMIC INTEGRITY:** All material submitted in fulfillment of course requirements must be done by the registered student. Cut and paste research, copying or having someone else do your work, constitutes plagiarism and will result in a grade of zero and possible failure for the course.

**ASSISTANCE:** You can get help with this course from me, the Math Lab (at CUR), and from AAP (according to their requirements). Various internet sites can also be of value. Your instructor is usually available before and after class, and other times by appointment.