

MATH 097 - BASIC ALGEBRA SKILLS

SYLLABUS

Instructor: Prof. Sirisha KALA
Email: skala@adams.edu
Phone: (240) 567 5196
Fax: (240) 567 5182 (Attention: Kala)
Address: 259 Congressional Lane, Apt 108
Rockville, MD 20852

COURSE DELIVERY:

Print-Based Correspondence Course

CREDIT HOURS:

Three Semester Hours

PREREQUISITES:

Math 095 or a score of 11-19 on the Accuplacer Exam or a score of 13-21 on the Alternative Mathematics Placement Exam.

COURSE MATERIALS:

To order textbooks or obtain information about book titles you may go to www.exstudies.adams.edu and click on the “ASC Bookstore” icon.

Use **Section Number: 1100** to order books from Bookstore site.

Required Textbook:

Text: Introductory Algebra, Third Edition, Elayn Martin-Gay, Prentice Hall, 2007. (ISBN-10: 0131868438; ISBN-13: 9780131868434)

(Optional: Student Solutions Manual, CD Lecture Series.)

CATALOG DESCRIPTION:

Review of properties of integers and rational numbers, solving linear equations and inequalities, evaluating exponents, scientific notation, operations with polynomials, factoring of polynomials, solving quadratic equations, graphing linear equations in two variables, simplifying and operations with rational expressions, radical notation, problem solving.

STUDENT LEARNING OUTCOMES:

1. Students will confirm arithmetic skills, recognition and use of real number properties and understanding of order of operation,
2. Students will evaluate, simplify and perform operations on exponential expressions and numbers in scientific notation;

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3. Students will demonstrate facility in the central ideas of beginning algebra including:
 - a) solving linear equations and inequalities,
 - b) polynomial arithmetic,
 - c) factoring polynomials,
 - d) simplifying rational expressions,
 - e) rational expression arithmetic,
 - f) graphing linear equations and inequalities and
 - g) solving word problems by
 - 1) writing and solving linear equations
 - 2) writing and solving quadratic equations by factoring
 - 3) writing and solving equations containing rational expressions

COURSE REQUIREMENTS:

General Course Policies:

1. Exam Policies:

- a) All EXAMS are closed book exams to be taken under the supervision of an approved proctor. Contact Extended Studies regarding approval of proctors.
- b) The FINAL EXAM is comprehensive; covering the entire course material. NO index cards with definitions/hints/formulas are allowed on the exams.
- c) Partial credit may be given on the exams. So, it is important to show complete work for each question.
- d) Only basic scientific calculators are allowed on exams. No **graphing calculators!**

2. **Academic Dishonesty:** Cheating or Plagiarism is defined as submitting work under your name that was not done entirely by you. Cheating on homework, quiz, or exams will lead to a grade of FAIL on that particular exam/homework/quiz with a maximum penalty of a grade of FAIL in the course. Please refer to the Undergraduate Students Academic Dishonesty Policy on Adams State College website.

3. Student Expectations:

- a) Upon registration to the course, students are expected to make a tentative plan with due dates for submitting homework and quizzes. Also plan on tentative exam dates so the exam request forms can be mailed to Extended Studies at least a week before those dates. Please email or use regular mail to let me know your tentative plan.
- b) Always keep a copy of all your paper homework and quizzes before mailing them to me so they can be used in case of missed mail. Also please ask that your proctor do the same with your exams.
- c) Always keep me posted on your course status. Please use your complete name and course number when you contact me.

4. **Help outside classroom:** I will always answer any course-related questions that you may have. You can always email/call me during weekdays regarding your questions.
(For textbook related tutoring services, read the Preface section in the textbook.)

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5. **Course Policy for Students with Disabilities:** If you require accommodations due to a disability, please contact me or Extended Studies to discuss various options.

GRADE DISTRIBUTION AND SCALE:

Grading Policy: Course is graded on a pass/fail basis and does not provide credit towards Bachelor's degrees. I expect you to work on all the exercise problems and contact me if you have any problems. The final grade will consist of:

Graded Exams	Number	Points	Grade
Chapter Assignments (Paper or Online)	6	120	20%
Chapter Quizzes (Paper or Online)	6	60	10%
Exam1 (covers Chap: 1, 2, 6, 3)	1	120	20%
Exam2 (covers Chap: 4, 5, 8, 9)	1	120	20%
Final Exam (Comprehensive)	1	180	25%
Total:		600	100%

All grades will be based on the following:

- Pass or Satisfactory (S): 70% – 100%
Fail or Unsatisfactory (U): Below 70%

(Note: The student needs to acquire at least 108 out of 180 points on the final exam even though the total average before the final exam in the course adds up to a PASS grade.)

ADA STATEMENT:

Students who need special accommodation to complete this class should contact the instructor and the Office of Student Affairs, 719.587.7221 as soon as possible.