Boston College Mission Statement:
Strengthened by more than a century and a half of dedication to academic excellence, Boston College commits itself to the highest standards of teaching and research in undergraduate, graduate and professional programs and to the pursuit of a just society through its own accomplishments, the work of its faculty and staff, and the achievements of its graduates. It seeks both to advance its place among the nation's finest universities and to bring to the company of its distinguished peers and to contemporary society the richness of the Catholic intellectual ideal of a mutually illuminating relationship between religious faith and free intellectual inquiry.

Boston College draws inspiration for its academic societal mission from its distinctive religious tradition. As a Catholic and Jesuit university, it is rooted in a world view that encounters God in all creation and through all human activity, especially in the search for truth in every discipline, in the desire to learn, and in the call to live justly together. In this spirit, the University regards the contribution of different religious traditions and value systems as essential to the fullness of its intellectual life and to the continuous development of its distinctive intellectual heritage.

Course Description:
This course is designed to easily and comfortably re-introduce students to learn basic math skills as well as gain knowledge of important concepts in College Algebra and problem solving. It is also intended to strengthen students’ abilities to move on to other algebraic disciplines in business, social sciences, and physical sciences. Topics covered will be introduction to integers, equation solving, polynomials factoring, and rational expressions.

Course Objectives:
1. Students will gain factual knowledge (methods and terminology) of problem solving and mathematical concepts using both text examples and additional handouts as needed.

2. Students will learn fundamental principles of equation solving and simplification. Note taking is essential during class. Step by step solving methods will be provided for both book examples and assigned homework problems to ensure the student’s competency.

3. Students will utilize these concepts to solve everyday life applications. Students will be assigned application problems throughout the course that contain real life data. Working through the application exercises will prepare the student to solve problems based on their own experiences.

4. Students will acquire an interest in learning more by asking their own questions and seeking answers.
Grading:
Attendance/Class Participation 10%
Homework 20%
Midterm 35%
Final 35%

WCAS Grading System
The undergraduate grading system consists of twelve categories: A (4.00), A- (3.67), excellent; B+ (3.33), B (3.00), B- (2.67), good; C+ (2.33), C (2.00), C- (1.67), satisfactory; D+ (1.33), D (1.00), D- (.67), passing but unsatisfactory; F (.00), failure; I (.00), incomplete; F (.00), course dropped without notifying office; W (.00), official withdrawal from course.

Grade Reports. All students are required to log into the web through Agora to access their semester grades. Students must utilize their BC username and password to log on. If your username or password is not known, the Student Learning and Support Center in the O’Neill Library Computer Center will issue a new one. The SLSC requires a valid picture ID (a BC ID, driver’s license or passport) to obtain your password.

Text (Required): Introductory Algebra: 9

Recommended: It is recommended that each student purchase either a TI 83+ or TI 84+ graphing calculator for use of graphing techniques and other mathematical topics covered in the course.

Important Policies:
http://www.bc.edu/content/bc/schools/advstudies/guide/academicinteg.html

Scholarship and Academic Integrity:
It is expected that students will produce original work and cite references appropriately. Failure to reference properly is plagiarism. Scholastic dishonesty includes, but is not necessarily limited to, plagiarism, fabrication, facilitating academic dishonesty, cheating on examinations or assignments, and submitting the same paper or substantially similar papers to meet the requirements of more than one course without seeking permission of all instructors concerned. Scholastic misconduct may also involve, but is not necessarily limited to, acts that violate the rights of other students, such as depriving another student of course materials or interfering with another student’s work.

Request for Accommodations:
Classroom accommodations will be provided for qualified students with documented disabilities. Students are invited to contact the Woods School office about accommodations for this course. Telephone appointments are available to students as needed. Appointments can be made by calling, 617-552-3900. You may also make an appointment in person. For further information, you can locate the disability resources on the web at
http://www.bc.edu/content/bc/libraries/help/tutoring/specialservices.html.
**Attendance:**
Class attendance is an important component of learning. Credit is given for class participation. If you miss class, you cannot make up the participation points associated with that class. Additionally, any student who misses more than three classes during the semester may be considered withdrawn from the class. Absences may be considered excusable at the discretion of the instructor. Therefore, students are expected to attend all classes and to arrive by the beginning of and remain for the entire class period. If an occasion occurs that prevents a student from attending class, it is the student’s obligation to inform the instructor of the conflict before the class meets. The student is still expected to meet all assignment deadlines. If a student knows that he or she will be absent on a particular day, the student is responsible for contacting the instructor beforehand to obtain the assignments for that day. If a student misses a class, he or she is responsible for making up the work by obtaining a classmate's notes and handouts and turning in any assignments due.

There may be circumstances that necessitate a departure from this policy. Feel free to contact the WCAS at 617-552-3900 for consultation.

**Deadlines:**
Homework assignments are assigned for each class and are due at the beginning of the following class. Late assignments may be made up at the discretion of the instructor.

**Course Assignments:**

**Week 1  09/05**
Introduction to the course
Chapter 1 Pre-Algebra Review Sec 1.1 thru 1.5

**Week 2  09/12**
Chapter 1: Sec 1.6; 1.7;
Chapter 2: Variable Expressions

**Week 3  09/19**
Chapter 3: Sec 3.1 thru 3.4; Equation Solving; Percents

**Week 4  09/26**
Chapter 3: Sec 3.5; Word problems (Consecutive Integers & Age)

**Week 5  10/03**
Section 3.7 Word Problems (Mixture, Coin & Motion)

**Week 6  10/10:**
Review problems for Midterm practice

**Week 7  10/18**
MIDTERM
Week 8  10/25
Chapter 4: Sec 4.1 thru 4.5 Polynomials

Week 9  10/31:
Chapter 5: Factoring Sec 5.1 thru 5.3

Week 10 11/7
Chapter 5: Sec 5.4 Special Factoring,
Sec 5.5 Factoring Completely;
Factoring Cubes

Week 11 11/14
Chapter 5: Sec 5.6: Solving Equations and its applications
Chapter 6: Sec 6.1: Multiplication/Division of Rational Expressions
   Sec 6.2: Finding LCM
   Sec 6.3: Addition/Subtraction of Rational Expressions

Week 12 11/21
Chapter 6: Sec 6.5 Solving Equations Containing Fractions (Rational Equations);
   Sec 6.6 Ratio and Proportion
   Conversion factors

Week 13 11/28
Thanksgiving Holiday: No Class

Week 14 12/05
Section 6.7 Literal Equations;
   6.8 Application problems

Week 15 12/12
Review for Final Exam

Week 16 12/19
FINAL EXAM