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 continuing course will complete the remaining College Algebra topics and then introduce students to additional branches of mathematics in the fields of elementary probability and statistics. Topics covered will be linear and systems equations, inequalities, radical expressions, quadratic equations, union & intersection, and probability and statistics. Additional topics may be introduced if time permits.

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.

Canvas
Canvas is the Learning Management System (LMS) at Boston College, designed to help faculty and students share ideas, collaborate on assignments, discuss course readings and materials, submit assignments, and much more - all online. As a Boston College student, you should familiarize yourself with this important tool. For more information and training resources for using Canvas, click here.
**Course Objectives**

1. Students will demonstrate mathematical skills across cultural settings and will learn the impact of culture, gender, and age in Intermediate College Mathematics as demonstrated by real life applications.

2. Students will demonstrate ethical mathematical skills pertaining to Intermediate College Mathematics as demonstrated by real life applications.

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

4. Students will learn fundamental principles of equation solving and simplification.

**Grading**

<table>
<thead>
<tr>
<th>Grading Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance/Class Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm</td>
<td>40%</td>
</tr>
<tr>
<td>Final</td>
<td>40%</td>
</tr>
</tbody>
</table>

The undergraduate grading system for Woods College is as follows:

A (4.00), A- (3.67)
B+ (3.33), B (3.00), B- (2.67)
C+ (2.33), C (2.00), C- (1.67)
D+ (1.33), D (1.00), D- (.67)
F (.00)

The graduate grading system for Woods College is as follows:

A (4.00), A- (3.67)
B+ (3.33), B (3.00)
B- (2.67), passing but does not count toward degree
C (2.00), passing but not for degree credit
F (.00)

All students can access final grades through Agora after the grading deadline each semester. Students who complete course evaluations can access grades earlier, as they are posted.

**Deadlines and Late Work**

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**

To meet the credit expectation for our course, each class time will be extended an additional 45 minutes to review and work together on mathematical concepts that were covered during class lectures.
Course Schedule:

Week 1  09/02
Introduction to the course
Chapter 1 Pre-Algebra Review Sec 1.1 thru 1.5

Week 2  09/9
Chapter 1: Sec 1.6; 1.7;
Chapter 2: Variable Expressions

Week 3  09/16
Chapter 3: Sec 3.1 thru 3.4; Equation Solving; Percents

Week 4  09/23
Chapter 3: Sec 3.5; Word problems (Consecutive Integers & Age)

Week 5  09/30
Section 3.7 Word Problems (Mixture, Coin & Motion)

Week 6  10/7
Review problems for Midterm practice

Week 7  10/14
MIDTERM

Week 8  10/21
Chapter 4: Sec 4.1 thru 4.5 Polynomials

Week 9  10/28
Chapter 5: Factoring Sec 5.1 thru 5.3

Week 10 11/4
Chapter 5: Sec 5.4 Special Factoring, Sec 5.5 Factoring Completely; Factoring Cubes

Week 11 11/11
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 11/18
Chapter 6: Sec 6.5 Solving Equations Containing Fractions (Rational Equations);
   Sec 6.6 Ratio and Proportion;
   Conversion factors

Week 13 11/25
Thanksgiving Holiday: No Class

Week 14 12/02
Section 6.7 Literal Equations; 6.8 Application problems

Week 15 12/09
Review for Final Exam

Week 16 12/16
FINAL EXAM
Written Work
Woods College students are expected to prepare professional, polished written work. Written materials must be typed and submitted in the format required by your instructor. Strive for a thorough yet concise style. Cite literature appropriately, using APA, MLA or CLA style per your instructor’s requirements. Develop your thoughts fully, clearly, logically and specifically. Proofread all materials to ensure the use of proper grammar, punctuation and spelling. For writing support, please contact the Connors Family Learning Center.

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.

Consistent with BC’s commitment to creating a learning environment that is respectful of persons of differing backgrounds, we believe that every reasonable effort should be made to allow members of the university community to observe their religious holidays without jeopardizing their academic status. Students are responsible for reviewing course syllabi as soon as possible, and for communicating with the instructor promptly regarding any possible conflicts with observed religious holidays. Students are responsible for completing all class requirements for days missed due to conflicts with religious holidays.

Accommodation and Accessibility
Boston College is committed to providing accommodations to students, faculty, staff and visitors with disabilities. Specific documentation from the appropriate office is required for students seeking accommodation in Woods College courses. Advanced notice and formal registration with the appropriate office is required to facilitate this process. There are two separate offices at BC that coordinate services for students with disabilities:

- The Connors Family Learning Center (CFLC) coordinates services for students with LD and ADHD.
- The Disabilities Services Office (DSO) coordinates services for all other disabilities.

Find out more about BC’s commitment to accessibility at www.bc.edu/sites/accessibility.

Scholarship and Academic Integrity
Students in Woods College courses must produce original work and cite references appropriately. Failure to cite references is plagiarism. Academic dishonesty includes, but is not necessarily limited to, plagiarism, fabrication, facilitating academic dishonesty, cheating on exams or assignments, or submitting the same material or substantially similar material 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. Please see the Boston College policy on academic integrity for more information.

©2017 James A. Woods, S.J. College of Advancing Studies