Course: Math 101 Introduction to College Algebra, Summer 1, 2015

Prerequisites: Math placement exam


Instructor: Jean Guillaume

Office Hours: Lippitt 102E; Tentative Schedule: Tuesday, 4 – 6 Pm *(On the first day of class, we can work on a schedule, convenient to the majority of us)*; also, I will be available an hour before and after class; other times by appointment

Email: jean_guillaume@my.uri.edu

Course Description: This course in college algebra provides an introduction to algebraic manipulation, and solving equations and inequalities in one variable. Also covered are plotting points and graphing elementary functions, interpreting and expressing mathematics. It is intended for STEM majors who are not prepared to take MTH 111. This course does not satisfy the general education math class requirement.

Course Objectives: To become proficient in algebra, in order to build a firm foundation in preparation for MTH 111. MTH 111 requires a C- or better in MTH 101.

Learning Outcomes:
1. Perform arithmetic operations on polynomials using the rules of exponents.
2. Factor using GCF, difference of two squares, sum/difference of two cubes, trinomials and grouping. Solve quadratic equations by factoring.
3. Perform arithmetic operations on rational and radical expressions and functions.
4. Solve rational and radical equations and solve quadratic equations by the quadratic formula.
5. Solve relevant applications (exponents, quadratic equations, rational expressions).

Attendance Policy:
1. Attendance for classes is required and class participation is strongly encouraged. You are responsible for all material covered in class and any changes made to homework or dates whether or not you are there. Please find someone in class to communicate with.
2. Attendance for tests and the final exam are required. Absence from a test or the final exam without prior arrangements with me will result in a failing grade for the course. In the case of an emergency, please contact me immediately via email. Failure to do so will result in failing this course.
3. Make-up tests are allowed only if valid excuses are provided and prior arrangements are made. I reserve the right to ask for proof of emergency.

Homework:
1. I assign a lot of homework. In order to become skilled in Algebra, you must practice. You should work problems from each section of homework until you feel completely comfortable with the concepts. I will occasionally assign certain problems to turn in. And sometimes I will check your homework in class. If you have problems with homework, feel free to email me or stop by office hours for help. You should also bring your homework questions to class where we will work through the issues together.
2. Late homework is not accepted. If you are absent, you may email me your work that day.
3. I expect students to spend approximately **three hours of out-of-class for each one hour of lecture**. This time should be spent reviewing class notes, reading the textbook, completing
homework assignments and working with tutors, if necessary.

**Grading:**

1. Assessments
   a. Homework / Classwork 100 points
   b. 3 Closed Book/Notes Tests 600 points
   c. 1 Project 100 points
   d. 1 Cumulative Final 200 points

2. Final Grade
   a. A 940 – 1000 points
   b. A- 900 – 930
   c. B+ 870 – 890
   d. B 830 – 860
   e. B- 800 – 820
   f. C+ 770 – 790
   g. C 730 – 760
   h. C- 700 - 720
   i. D+ 670 – 690
   j. D 600 - 660
   k. F 590 or lower

Each chapter in your book contains Chapter Highlights, a Chapter Review and a Chapter Test. I strongly encourage you to use those sections as review for your tests and final.

**Sakai:** I will use Sakai for your grades, homework solutions and various resources. You will get an email when I post anything to Sakai.

**Other Policies:**

1. Please come to class prepared by reading over the text to be covered and by bringing your book, notebook and pencil. **Pencils only please.**
2. You are here to learn, so please give class your full attention, ask questions if you do not understand and be respectful and courteous to your fellow students and instructor.
3. No calculators or cell phones are permitted in this class.
4. No disruptive behaviors:
   a. Sleeping, eating, texting, talking on, making or receiving cell phone calls, connecting/listening to any MP3/Electronic devices, reading non-course material, cursing, leaving early.
   b. Other behaviors that distract from the learning process.
5. During tests and the final, no hats may be worn and desks must be clear.
6. No cheating of any kind will be allowed. Cheating will be grounds for failing this course. All URI University policies apply including the Academic Honesty policy found in your student handbook.
7. **Students requiring accommodations due to a documented disability (through the Disability Services for Students: Office of Student Life) should make their requests as soon as possible.**
8. Extra help is available from me, from the Academic Enhancement Center, or from Math department tutors. Helpful online resources include pulemath.com and khanacademy.org.

**Successful completion of this course cannot be achieved without regular attendance, diligent effort on the homework assignments and participation in class!**
<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Textbook Sections</th>
<th>Homework Problems from Text</th>
<th>Important Dates &amp; Problems to Turn-In will be assigned in class</th>
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<tbody>
<tr>
<td>M</td>
<td>5/18</td>
<td>Intro, 5.1, 5.2, 5.3</td>
<td>7- 69; 7- 81; 5- 67; 7- 29, 33-54; 11-73; 9 – 29, 33; 5 – 25;</td>
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<tr>
<td>W</td>
<td>5/20</td>
<td>5.4, 5.5, 5.6, 5.7</td>
<td>11 – 23, 27 - 94; 13 – 63; 1 – 11, 15 – 50;</td>
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<tr>
<td>M</td>
<td>5/25</td>
<td>No Classes</td>
<td>N.B. Last Day to drop the class.</td>
<td>Conversion Day; Monday Schedule 1– hour Pretest</td>
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<tr>
<td>W</td>
<td>5/27</td>
<td>6.1, 6.2, 6.4</td>
<td>5.7,13, 15 – 19, 23 – 27, 37- 57; 3 – 55; 9 – 53; 3 -33;</td>
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<tr>
<td>M</td>
<td>6/01</td>
<td>7.1, 7.2, 7.3</td>
<td>In class review for Midterm;</td>
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<tr>
<td>W</td>
<td>6/03</td>
<td>7.4, 9.1</td>
<td>Midterm (first 2 hours of class)</td>
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<tr>
<td>W</td>
<td>6/10</td>
<td>10.1,10.2, 10.3, 10.4</td>
<td>5 – 37; XXX; 5 – 22; 7 -23, 31 – 61</td>
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<td>M</td>
<td>6/15</td>
<td>10.5, 10.6</td>
<td>5 – 29, 23 – 29; 1 – 33, app.</td>
<td>Review for Final</td>
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<tr>
<td>W</td>
<td>6/19</td>
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<td>Final</td>
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* Each chapter in your book contains a Summary, Review Exercises and a Practice Test. I strongly encourage you to use those sections as review for your tests and final.
Thanks to Laura Barnes for authorizing the use of her syllabus as reference.