Math 1314.D10
Online
College Algebra
Spring 2018 Syllabus

Disclaimer:
This syllabus is current and accurate as of its posting date, but will not be updated. For the most complete and up-to-date course information, contact the instructor.

Instructor Information:
Instructor: Mrs. Paula Koca
Office: MCS 220L
Office Phone: (325) 486-5437
E-mail: paula.koca@angelo.edu

Office Hours:
Monday: 9 am – 11 am ; 2 pm – 3 pm
Tuesday / Thursday: 1:00 pm – 3:00 pm
Wednesday: 9 am – 11 am
Friday: 10 am – 11 am and by appointment

Note: When contacting me via email or phone, allow 24 hours for a response. I do not make it a habit to check email from home.

Student Responsibility
This is an online course and therefore all of the learning will take place online. To be successful in this course you must be willing and able to do the following:
1. Access the internet from home and/or school.
2. Spend quality time each week preparing for new material and completing homework and quizzes (approximately 10-12 hours or more).
3. Organize your notes, homework, quizzes, and practice exams in an easily accessible and easily readable form, preferably in a 3-ring binder.
4. Ask questions, form a study group, and visit the Math Lab as needed.
5. Complete all homework and quizzes accurately and on time.
6. Prepare for exams and perform successfully on exams.

Textbook
College Algebra, 12th ed., by Lial/Hornsby/Schneider/Daniels

MyMathLab
An MML code is required for this course and should come with the textbook if purchased from the ASU bookstore. Otherwise, a code can be purchased online at www.pearsonmylabandmastering.com.

Math Lab
There is a Math Learning Lab which offers free tutoring. This is a great place to do homework or go if you have questions on an assignment and you are unable to come to my office. The lab is located on the third floor of the library in room C302. Online tutoring is available through the SMART Online tab located in Blackboard. You can schedule a live conference with a tutor, post a question on the discussion board, or click on links to other math resources.

M – TH: 9:00 am – 8:00 pm
F: 9:00 am – 12:00pm
Sunday: 4:00pm – 8:00pm (starting 1/12/18)
Grading Scale

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>MyMathLab Homework</td>
<td>15%</td>
</tr>
<tr>
<td>MyMathLab Quizzes</td>
<td>5%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 3</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letter Grades</th>
<th>Total Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
</tr>
<tr>
<td>B</td>
<td>80-89%</td>
</tr>
<tr>
<td>C</td>
<td>70-79%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60%</td>
</tr>
</tbody>
</table>

Grades will be uploaded into MyMathLab and will be updated regularly.

Homework

We will be using an online program called MyMathLab for homework this semester. The website is [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com). To set up an account you will need:
- a valid email address,
- the course ID: koca69266
- your student access code (packaged with your textbook or purchased directly from MyMathLab)
You may access MML anywhere that internet is accessible. Homework is an important part of this class. If you wish to be successful in this class, you must complete the homework.

Homework is due at 11:59PM on the due date listed. If you access a homework assignment after it is due, you will be prompted to enter a password, and the password is “late”. If you use this password and completed additional exercise questions, you will receive a grade reduction of 20% for those questions completed after the due date. The two lowest homework grades for the semester will be dropped.

Quizzes

We will be completing MyMathLab quizzes throughout the semester. These quizzes will count as part of your grade. The quizzes are designed to help prepare students for the exams as students will practice skills learned without the aid of the homework help features. Quizzes are due promptly at 11:59PM on the due date indicated and late quizzes will not be accepted. The two lowest quiz grades for the semester will be dropped.

Exam Reviews

There will be three regular exam reviews and one final exam review. These exam reviews are designed to prepare you for in-class exams.

Exams

We will have three in class exams and a final exam. In general, calculators will not be allowed on any exams. All exams, including the final, will be pencil-and-paper exams. There will be no make-up exams. However, I will replace your lowest exam score with your final exam, if it is to your benefit. If you leave the room during an exam, I may take up your exam and grade as is. Distance students will have to make special arrangements for exams and need to contact the instructor before Friday, January 26, 2018.

Exam dates are: Tuesday February 13th at 5:30pm, Tuesday, March 20th at 5:30pm, Tuesday, April 24th at 5:30pm, and the final on Tuesday, May 8th at 6:00pm.

Final Exam

We will have a comprehensive Final Exam. Dates and times are as follows:
- **Math 1314.D10:** Tuesday, May 8, 2018 from 6pm – 8pm
Drop Date

**Monday, April 2, 2018**, is the last day to drop a course or to withdraw from the university.

Special Notes for Online Courses

- Since this class has no regular class meetings other than exams, it is your responsibility to learn the material and to stay current with the course material being covered.
- During the week, a regular lecture course would spend three hours a week to cover the topics in a lecture format. For online courses, you need to allot around 3 hours a week to log into MyMathLab, to read the sections in the etextbook, to watch the related videos, and to work with the tutorials.
- As an estimation, you can expect to spend an additional 6-9 hours a week completing the homework and quiz assignments in MyMathLab. If additional assistance is needed from me or the Math Lab, you might need to devote more time per week to completing the assignments.
- During the working day (Monday-Friday from 8am-4pm), I will reply to your email as soon as possible. Outside of the working day, I will respond as soon as possible, but it might be the next working day before a response is sent.
- Keep in mind that homework is due at 11:59pm on Tuesday and Friday nights. Try to work on your homework and quizzes as soon as possible as computer and internet problems do occur. There are no extensions on homework and quizzes.
- Keep a homework notebook with problems thoroughly worked out as the Exams will be graded on using the correct process to obtain a final answer(s).

University Policies:

**Student Disability Services**

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

The Office of Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is the student’s responsibility to initiate such a request by contacting:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu

**Title IX**

Angelo State University is committed to the safety and security of all students. If you or someone you know experience sexual harassment, sexual assault, domestic or dating violence, stalking, or discrimination, you may contact ASU’s Title IX Coordinator:

Michelle Boone  
Director of Title IX Compliance  
325-486-6357  
michelle.boone@angelo.edu

**Student Absence for Observance of Religious Holy Days**

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. ([OP 10.19 Student Absence for Observance of Religious Holy Day](#))

**Incomplete Grade Policy**

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. ([See ASU OP 10.11 Grading Procedures](#) for more information.)
Student Conduct Policies

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. The College of Science and Engineering adheres to the Statement of Academic Integrity.

Plagiarism

Plagiarism is a serious topic covered in ASU’s Academic Integrity in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality via Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center.

Tentative Class Schedule

<table>
<thead>
<tr>
<th>Week #</th>
<th>Section</th>
<th>Materials Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R.1, R.2</td>
<td>Sets, Real Numbers and Their Properties</td>
</tr>
<tr>
<td>2</td>
<td>R.3, R.4</td>
<td>Polynomials and Factoring Polynomials</td>
</tr>
<tr>
<td>3</td>
<td>R.5, R.6</td>
<td>Rational Expressions, Rational Exponents</td>
</tr>
<tr>
<td>4</td>
<td>R.7, 1.1</td>
<td>Radical Expressions, Linear Equations, Review</td>
</tr>
<tr>
<td>5</td>
<td>1.2, 1.3</td>
<td>EXAM 1, Applications of Linear Equations, Complex Numbers</td>
</tr>
<tr>
<td>6</td>
<td>1.4, 1.5</td>
<td>Quadratic Equations, Applications of Quadratic Equations,</td>
</tr>
<tr>
<td>7</td>
<td>1.6, 1.7</td>
<td>Rational and Polynomial and Radical Equations, Inequalities</td>
</tr>
<tr>
<td>8</td>
<td>1.8</td>
<td>Absolute Value, Review</td>
</tr>
<tr>
<td>9</td>
<td>2.1, 2.3, 2.5</td>
<td>EXAM 2, Rectangular Coordinate System, Functions and Function Notation, Writing Equations of Lines</td>
</tr>
<tr>
<td>10</td>
<td>3.1</td>
<td>Quadratic Functions and Models,</td>
</tr>
<tr>
<td>11</td>
<td>4.2, 4.3</td>
<td>Exponential Functions, Graphs; Logarithmic Functions, Graphs</td>
</tr>
<tr>
<td>12</td>
<td>4.4, 4.5</td>
<td>Evaluating Logarithms and the Change-of-Base Theorem, Exponential and Logarithmic Equations</td>
</tr>
<tr>
<td>13</td>
<td>5.1, 5.4</td>
<td>Systems of Linear Equations (Two Variables), Partial Fractions</td>
</tr>
<tr>
<td>14</td>
<td>5.1</td>
<td>EXAM 3, Systems of Linear Equations (Three Variables)</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Extra Topics, Prepare for the final exam</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>FINAL EXAM</td>
</tr>
</tbody>
</table>

Core Curriculum Student Learning Objectives

MATH 1314

- **Core Objective (Critical Thinking):** Gather, analyze, evaluate, and synthesize information relevant to a question or issue. (CT1)
  - **Course Student Learning Objective:** Students will use mathematical facts, formulas, and techniques to analyze and interpret information related to algebraic expressions and equations.
  - **Assessment:** Assessment exam that demonstrates CT1.
- **Core Objective (Communication):** Develop, interpret, and express ideas through effective visual communication. (CS3)
  - **Course Student Learning Objective:** Students will create and interpret graphs of algebraic and transcendental functions.
• **Assessment:** Assessment exam that demonstrates CS3.

• **Core Objective (Empirical and Quantitative Skills):** Manipulate and analyze observable facts and arrive at an informed conclusion. (EQS2)
  - **Course Student Learning Objective:** Students will use the facts, formulas, and techniques learned in this course to draw conclusions about the properties of various algebraic expressions, equations, and functions.
  - **Assessment:** Assessment exam that demonstrates EQS2.

Mathematics 1314 – College Algebra

Student Learning Outcomes

1. **Students will demonstrate factual knowledge including the mathematical notation and terminology used in this course.** Students will read, interpret, and use the vocabulary, symbolism, and basic definitions used in college algebra including the real numbers, exponents, radicals, polynomials, factoring, functions, equations, inequalities, and graphs.

2. **Students will describe the fundamental principles including the laws and theorems arising from the concepts covered in this course.** Students will identify and apply the laws and formulas that result directly from the definitions; for example, the quadratic formula, rules of exponents, and properties of logarithms.

3. **Students will apply course material along with techniques and procedures covered in this course to solve problems.** Students will use the facts, formulas, and techniques learned in this course to simplify algebraic expressions, graph functions, and solve inequalities, equations and systems of equations.

4. **Students will develop specific skills, competencies, and thought processes sufficient to support further study or work in this field or related fields.** Students will acquire a level of proficiency in the fundamental concepts and applications necessary for further study in academic areas requiring college algebra as a prerequisite, or for work in occupational fields requiring a background in algebra. These fields might include education, business, finance, marketing, computer science, physical sciences, and engineering, as well as mathematics.

Course Content

**Textbook:** *College Algebra*, 12th Edition, by Lial/Hornsby/Schneider/Daniels. The electronic supplement *MyMathLab* will also be required. The following chapters including the particular sections listed are covered.

**R. A Review of Basic Algebra:** Sets, Real Numbers, Polynomials, Factoring Polynomials, Rational Expressions, Rational Exponents, Radical Expressions

1. **Equations and Inequalities:** Linear Equations, Applications of Linear Equations, Complex Numbers, Quadratic Equations, Applications of Quadratic Equations, Rational Equations, Polynomial and Radical Equations, Inequalities, Absolute Value Equations and Inequalities

2. **Graphs and Functions:** The Rectangular Coordinate System, Functions and Function Notation, Equations of Lines

3. **Polynomial and Rational Functions:** Quadratic Functions and Models

4. **Exponential and Logarithmic Functions:** Exponential Functions, Logarithmic Functions, Evaluating Logarithms and the Change-of-Base Theorem, Exponential and Logarithmic Equations

5. **Linear Systems:** Systems of Linear Equations, Partial Fractions

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1 [http://www.angelo.edu/opmanual/](http://www.angelo.edu/opmanual/)
2 [http://www.angelo.edu/content/files/14197-op-1011-grading-procedures](http://www.angelo.edu/content/files/14197-op-1011-grading-procedures)
http://www.angelo.edu/dept/writing_center/academic_honesty.php