

Instructor : \_\_\_\_\_

Reference Number: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail \_\_\_\_\_

**OFFICE HOURS**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

**Course prerequisites** MAT 1033 or equivalent, or appropriate scores on placement test (CPT).

**Course scope** MAC 1105 is a college level algebra course designed to provide students with an elementary knowledge of basic mathematics (specifically algebra) required in the natural and social sciences, as well as developing the critical thinking skills needed to contribute productively to our global society . To complete the course successfully, you must obtain at least a letter grade of C, as outlined in the grading policy below.

**Attendance** It is your responsibility to attend each lecture and keep records of assignments and other information delivered during class. Attendance will be recorded for administrative purposes and your instructor reserves the right to count it toward your final grade. Should this be the case, he/she will discuss this policy on the first day of class and included as an addendum to this syllabus.

**Classroom decorum** In order to optimize your learning experience, classroom interruption must be kept to a minimum. Please make every effort to arrive on time and avoid causing an interruption if you need to leave early. Please turn your cell phone to a silent mode and avoid using it during class. In an emergency, you may excuse yourself and leave the classroom.

**Academic dishonesty** Any instance of academic dishonesty (refer to the *Handbook of Students' Rights and Responsibilities*) will result in a grade of **F** for the course and may carry an even more severe penalty such as suspension or expulsion. *Take pride in your own achievements, an unearned passing grade is not worth the paper it is written on.*

**Grading policy** Your final grade will be based on **7 equally weighed tests, one cumulative final exam, and online homework assignments.** Points will be awarded according to the following chart:

<i>Activity</i>	<i>Max. Points</i>
Tests	700
Homework	100
Final Exam	200
<b>Total</b>	<b>1000</b>

**70% of your grade comes from the tests, 10% comes from online assignments, and 20% of your grade comes from the Final Exam.**

**Example:** if your grades are 70, 75, 80, 50, 80, 85, 80, **95, 70** (the last two being your homework and final exam grade, respectively), then your final grade for the course is:

$$(70 + 75 + 80 + 50 + 80 + 85 + 80)(0.1) + 95(0.1) + 70(0.2) = 76\% \text{ (round up)}$$

A letter grade will be awarded on the basis of the following scale:

**90 – 100% A    80 – 89% B    70 – 79% C    60 – 69% D    60% and below F**

**Make-up exams are not available. The final exam may count as two test grades allowing you to replace a missed test.**

There will also be 6 online quizzes posted in *Coursecompass*. These quizzes are designed as a review for the tests and it is to your advantage to complete them, but they will not be part of your final grade.

**Online homework assignments and quizzes may be accessed at <http://www.coursecompass.com/> your instructor will provide you with the Course ID necessary to register for your section. You will also need an access code to register for Coursecompass (it comes with your textbook if you bought a new one. Otherwise, the access code may be purchased separately). Please register as soon as you get it.**

You may request a grade of **I** (incomplete) **only if** you are passing the class **and** have completed the course past the last date to drop with a **W**. your instructor has the prerogative to decline such request.

### Calculators

A basic **scientific calculator is required** for this course as some of the topics involve substantial computation. These sites may help you identify your preference.

Sharp: <http://www.sharpusa.com/ForHome/HomeOffice/Calculators.aspx>

Casio: [http://www.casio.com/products/Calculators\\_%26\\_Dictionaries/](http://www.casio.com/products/Calculators_%26_Dictionaries/)

HP: <http://www.hp.com/calculators/>

Graphics Calculators: [http://www.prenhall.com/divisions/esm/app/calc\\_v2/frameset\\_hp.html](http://www.prenhall.com/divisions/esm/app/calc_v2/frameset_hp.html)

**Calculators may not be shared during exams.**

### Online support

**Complete online course at <http://www.coursecompass.com/>.** If you purchase a new textbook at the Kendall Bookstore, the code will be included in the package. You may also purchase the code by itself; The electronic version of the textbook is included.

**Pearson Math Tutor Center** staffed by college math instructors offering tutoring by toll-free telephone, toll-free fax, email, and the net. Students may access this feature through their Coursecompass course.

### Math/Science Study Center

The Math/Science Study Center located in room 3326 is an important part of your academic experiences. There you can obtain assistance from tutors, do self study, or use the computers to do your online homework.

*Hours of Operation:*

Monday – Thursday	9.00 AM – 9.00 PM
Friday	9.00 AM – 3.00 PM
Saturday	9.00 AM – 3.00

*(Tutoring services begin at 10.00 AM)*

**Text:** *College Algebra* by Robert Blitzer, 5ed. Coursecompass access code required

*Syllabus MWF*

	<b>DATES</b>	<b>SECTION</b>	<b>TOPIC</b>
1	1/6	Intro	Read and review Chapter P
2	1/8	1.1	Introduction to Graphing
3	1/11	1.2	Linear and Rational Equations
4	1/13	1.4	Complex Numbers
5	1/15	1.5	Quadratic Equations
<b>6</b>	<b>1/20</b>		<b>Test 1</b>
7	1/22	1.6	Equations in Quadratic Form
8	1/25	1.6	Radical and Polynomial Equations
9	1/27	1.7	Linear and Absolute Value inequalities
<b>10</b>	<b>1/29</b>		<b>Test 2</b>
11	2/1	2.1	Functions and Their Graphs
12	2/3	2.2	More on Functions
13	2/5	2.3	Linear Functions and Slope
14	2/8	2.4	More on Slope
<b>15</b>	<b>2/10</b>		<b>Test 3</b>
16	2/12	2.5	Transformations
17	2/17	2.6	Combining Functions and Composition
18	2/19	2.7	Inverse Functions
19	2/22	2.7	Inverse Functions
20	2/24	2.8	Distance, Midpoint and Circles
21	2/26	2.8	Distance, Midpoint and Circles
<b>22</b>	<b>3/1</b>		<b>Test 4</b>
23	3/3	3.1	Quadratic Functions
24	3/5	3.2	Polynomial Functions
25	3/8	3.5	Rational Functions
26	3/10	3.6	Polynomial and Rational Inequalities
27	3/12	3.6	Polynomial and Rational Inequalities
28	3/15	3.7	Modeling and Variation
29	3/17	3.7	Modeling and Variation
<b>30</b>	<b>3/19</b>		<b>Test 5</b>
31	3/22	4.1	Exponential Functions and Graphs
32	3/24	4.2	Logarithmic Functions and Graphs
33	3/26	4.3	Properties of Logarithms
34	3/29	4.4	Exponential and Logarithmic Equations/Applications
35	3/31	4.4, 4.5	Exponential and Logarithmic Equations/Applications
<b>36</b>	<b>4/5</b>		<b>Test 6</b>
37	4/7	5.1	Systems of Equations in Two Variables
38	4/9	5.1	Systems of Equations in Two Variables
39	4/12	5.2	Systems of Equations in Three Variables
40	4/14	6.5	Determinants and Cramer's Rule
41	4/16	5.5	Systems of Inequalities
42	4/19		Review test 7
<b>43</b>	<b>4/21</b>		<b>Test 7</b>
44	4/23		<b>Last day of Classes – Review for Final</b>

**Please note:** This schedule may change due to unforeseen circumstances during the semester