

MAT 0024C Beginning Algebra Spring Term - 2008

Instructor: Amy J. Montague-Kincade
Office: 4-221
Phone: (407) 582-1150
email: akincade@valenciacc.edu
akincade@atlas.valenciacc.edu
ajmk68@yahoo.com

website:
<http://frontdoor.valenciacc.edu/faculty.cfm?uid=AKINCADE&CFID=2147744&CFTOKEN=26856148>

Class Schedule for Amy Kincade – Spring 2008

CRN	Course Name	Days	Time	Location
20476	MAT 1033C-006	MWF	9:00 – 9:50 am	SSB 247
20417	MAT 0024C-010	MWF	10:00-10:50 am	3-228
20311	MAC 2233-002	MF W	11:30 – 12:45 pm 12:00 – 12:50 pm	7-230A 7-230A
25862	MAC 2233-008	MW	1:00 – 2:50 pm	5-262
20456	MAT 0024C-023	TR	8:30 – 9:45 am	9-121
24057	MAC 1105-040	TR	11:30 – 12:45 pm	1-148
23308	MAC 1105-035	TR	1:00 – 2:15 pm	1-148

Office Hours:

Monday 11:00 am – 11:30 am
3:00 pm – 4:00 pm
Tuesday 10:00 am - 11:30 am
2:15 pm – 4:00 pm
Wednesday 11:00 am – 11:30 am
3:00 pm – 4:00 pm
Thursday 10:00 am - 11:30 pm
2:15 pm - 3:30 pm
Friday 11:00 am – 11:30 am
12:45 pm – 1:15 pm

Additional office hours may be available upon request

Required textbook and Materials: *Elementary Algebra*, Carson/Gillespie/Jordan, 2nd. ed. Pearson/Addison Wesley, 2007.

Lab manual

Supplementary Materials: Student Solutions manual is available. The solution manual is available at front desk of the Math Center (7-240) for lab use only.

Course Objective: An entry-level course in mathematics emphasizing the fundamental math concepts and operations with application to beginning algebra. This course is designed to supplement and expand the algebraic background of students prior to taking certain courses at college level. Topics include sets, fundamental operations with polynomials, linear equations and inequalities with applications, factoring and its use in algebra, introduction to graphing of linear equations, and introduction to radicals. Credits in this course do NOT fulfill any college level mathematics requirements nor do they apply toward any college level credit requirements. A grade of “C” or higher is needed for entry into MAT 1033 (Intermediate Algebra). It is highly recommended that students strive towards a grade of “B” or higher.

Prerequisites: A grade of “C” or higher in MAT 0012, appropriate score on mathematics placement test, or placement by math department/college.

Resources

I am interested in your success in this class. Please ask questions of me regularly or see me for extra help! I consider myself successful only if you are successful. Please do not hesitate to ask me for assistance, see me during office hours, e-mail me, or call me.

Do NOT let your progress bog down because you do not understand a concept or idea. Each mathematics concept or idea that you learn builds on other concepts and ideas that will be learned later in this course and future math courses. Do NOT be shy; ask questions if there is something that you do not understand. “There are no such things as stupid questions. The only stupid questions are those not asked.” Remember, that we can work out all issues together.

Many students of algebra find it extremely helpful to form study groups with their classmates. This practice is highly recommended.

The West Campus Math Center is in building 7, room 240. There you will find Valencia math department staff, peer tutors, study rooms and other comfortable work areas for study group meetings, computer-based tools as available for your text, and support materials for check-out with your VCC identification card.

Peer tutors in the Math Center are available for walk-in assistance, no appointment necessary. Peer tutors are available for individual appointments as scheduling and funding permit.

Withdrawal

The deadline for withdrawing from class with a grade of “W,” if you are eligible to do so, is **March 14, 2008 for spring term classes**. After the deadline, withdrawing from class will result in a grade of either “WP” or “WF,” depending on your average the date of your withdrawal. In order to receive a WP, you must formally withdraw from the course, have an average of 60% or higher, and e-mail me requesting for a WP.

Any student who does not formally withdraw or receive a WP will receive an F due to excessive absences or due to not completing any of the course requirements including the final examination. Please take responsibility for yourself and withdraw by the withdrawal deadline. Notify the instructor of your circumstances as soon as possible.

An Incomplete grade is not given except by exceptional circumstances with supporting documentation. An Incomplete grade will only be considered if requested by the student and the student has all class requirements fulfilled except for the last one or two items. The student must have a **B** average and must have supporting documentation. A student who is having difficulties completing the course requirements must withdraw or request for a WP as soon as possible.

Lab Component

This class has a required lab component that will count for **100 points**, equal to a test grade towards your final course grade. Visit the Math Center's Open Lab in 7-240 for a **MINIMUM of 50 minutes per week**, document your time properly on an in-lab computer, and work with Lab Instructors as directed to earn your lab grade. **Any student missing 2 or more weeks in the open lab will be withdrawn from the course. The student will receive an F if this occurs after the withdrawal deadline. Please take this requirement seriously!**

For more information, refer to your lab syllabus and guideline (separate handout) passed out during the open lab orientation or speak with a lab instructor or me.

MATH COMP HOUSE Resource:

The Math COMP House is a resource exclusively made for tutoring and student success in college preparatory mathematics. The COMP House provides tutoring, assistance with homework, reinforcement worksheets, test corrections, and study skills. The Math COMP House will be a valuable asset in this course and will be utilized often.

The Math COMP House also provides study workshops for the competency exit examination later in the semester. Times and locations will be announced in class.

The Math COMP House is conveniently located in the back of the Math Center in 7-240.

Valencia Core Competencies:

Valencia Community College desires their graduates to possess and demonstrate a set of global competencies including the ability to **THINK, VALUE, COMMUNICATE, AND ACT!** In an effort to help you acquire and improve your ability to demonstrate the competencies, this course will include activities that require to:

1. Think clearly, critically, and creatively.
2. Make reasoned value judgments and responsible commitments.
3. Communicate with others in written and verbal form.
4. Act purposely, reflectively, and responsibly.

Due to the nature of these global competencies, many problems and activities will be presented in the context of an application.

The state of Florida desires students completing an associate degree to possess and demonstrate certain skills in reading, writing, language, mathematics, algebra, statistics, and reasoning. In an effort to help you acquire and improve upon your ability to demonstrate these skills this will include activities that require you to:

- Read for literal comprehension
- Perform arithmetic operations
- Use geometry and measurement skills
- Use algebra skills
- Use reasoning to operate with sets

College Preparatory Mathematics Competencies:

The state of Florida and Valencia Community College desire students exiting college preparatory mathematics to possess and demonstrate the following competencies on an examination administered near the end of the course. They are as follows:

- Simplify numeric expressions
- Simplify exponential expressions
- Simplify algebraic expressions
- Perform arithmetic operations with polynomials
- Simplify square roots of monomial
- Solve linear equations
- Solve linear inequalities
- Graph and interpret linear equations
- Set up and solve word problems
- Factor polynomials
- Simplify algebraic fractions/rational expressions
- Solve quadratic equations

MAT 0024C State Competency Exam/Exit Exam:

The state competency exam is required of all MAT 0024C students. Students must pass this exam with a score of 80% or higher. The passing of this test is necessary but not sufficient for exit of the course (meaning that passing this exam does NOT guarantee you passing the course – your grade must average to a passing grade). A student who does not pass this competency exam does NOT pass this course regardless of the grade average held in the course. A student with a “B” average for example may receive a grade of “F” if he/she does not pass the state competency examination. There are 30 multiple choice questions that must be completed in 90 minutes. A retake of this exam will be offer to students who hold a satisfactory attendance record in class (missing 3 or fewer classes) and have at least a 75% average in the course at the time of the first administration of the COMP exam.

Attendance

Attendance is absolutely essential in a math class. You are expected to attend all classes and take part in all tests and exercises. Each student is required to attend each class and to be punctual. Missing more than 3 of the class meetings, for any reason, will be considered sufficient reason for you to be withdrawn from the class for inadequate

attendance. Proper classroom etiquette will be observed at all times. The instructor reserves the right to dismiss a student disrupting the classroom learning environment.

As an additional incentive, you can earn bonus points for attendance. The point structure is listed below:

No absences	10 points
1 absence	5 points
more than 1	no bonus points

Homework

Practice using the procedures and techniques learned in class is essential to mastering mathematics. You are responsible for working all problems in the suggested textbook exercises, as well as, all problems in any supplementary material provided.

Your homework will not be collected on a daily basis. It will be graded as a part of the required notebook.

Notebooks

During the semester, it is required that each student keep a notebook. This notebook will be worth 100 points. The notebook may be spiral bound accompanied by a folder, loose leaf style in a three ring binder, or some combination of the previous examples. This notebook **MUST** contain, in a well organized manner, the following information to receive full credit:

- a) dated/ by section class notes in chronological order
- b) homework assignments arranged by section and chapter
- c) all returned exams, quizzes, and handouts
- d) Lab assignments

Mastery Quizzes

Mastery quizzes are short 10 point quizzes covering this course's foundational material. Each quiz is either worth 10 points or no points, and each quiz will be given two or three times during class time. If a student has not passed the quiz during class time, then it is the student's responsibility to retake the quiz outside of class at a time that is mutually acceptable to both the instructor and the student. A student may retake the quiz (different versions each time) until he/she has passed it successfully. At the end of the semester (last day of regular classes), any student who has not successfully completed a quiz will receive a 0 for that quiz.

Exams and Quizzes

Exam dates will be announced at least one class prior to the testing date.

During the semester, at least 4 exams will be given. The lowest exam will be dropped.

NO MAKE-UP EXAMS OR QUIZZES (with the exception of mastery quizzes) will be given. Quizzes may be announced or unannounced.

Projects

During the semester, the class may have the opportunity to participate in some special projects. They may be during class time or outside of class time. The value for each project can range from 20 to 50 points.

Evaluation

Your grade will be an overall average of points earned from the following list: (points earned / total points possible)

Tests	100 points each
Quizzes	10 - 30 points each
Mastery Quizzes	10 points each
Notebook	100 points
Projects	20 – 50 points each
Lab	100 points (total)
Final Exam	180 points (not more than 25% of Total grade)

Grade Scale

A	90-100
B	80-89
C	70-79
D	60-69
F	59-below

Final Exam

There will be a comprehensive final exam given the last day of the course for the summer semester. Failure to take the final exam will result in a grade of WF which counts as an F in your GPA.

CRN	Course Name	Days	Time	Location	Final Date	Final Time
20476	MAT 1033C-006	MWF	9:00 – 9:50 am	SSB 247	W 4/23	7 – 9:30 am
20417	MAT 0024C-010	MWF	10:00-10:50 am	3-228	M 4/21	10 – 12:30 pm
20311	MAC 2233-002	MF W	11:30 – 12:45 pm 12:00 – 12:50 pm	7-230A 7-230A	W 4/23	10 – 12:30 pm
25862	MAC 2233-008	MW	1:00 – 2:50 pm	5-262	M 4/21	1 – 3:30 pm
20456	MAT 0024C-023	TR	8:30 – 9:45 am	9-121	R 4/24	7 – 9:30 am
24057	MAC 1105-040	TR	11:30 – 12:45 pm	1-148	R 4/24	10 – 12:30 pm
23308	MAC 1105-035	TR	1:00 – 2:15 pm	1-148	T 4/22 ??	1 – 3:30 pm ??

Make-Up Policy

You are expected to participate in all activities at the scheduled time.
There will be NO MAKE-UPS.

Academic Dishonesty

Providing information to another student or receiving information concerning exam content during the exam is considered cheating. This is a serious offense. The professor reserves the right to determine the appropriate penalties within Valencia's policies.

Special Accommodations: Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, ext. 1523)

Disclaimer: Changes in the syllabus, class policies, evaluation process, and schedule may be made at any time to accommodate the needs of the class and at the discretion of the instructor. All changes will be announced verbally in class. Students who are absent are responsible for any and all changes made to the syllabus or outline of this course. “Take responsibility for yourself.”

STUDENT RESPONSIBILITIES AND EXPECTED CLASSROOM BEHAVIOR

1. Be responsible for your actions AND inactions.
 - a. Do not blame anyone else for your problems, if those problems occur because you have not done what is expected of you.
 - b. Seek help early and often. Do not wait until the last minute to find ways of dealing with crisis.
 - c. Take responsibility for your attendance, participation, and learning in this course.
 - d. Make sure that your other responsibilities do not conflict with your class schedule.

2. Be aware of academic policies and requirements.
 - a. Read and reread the course syllabus.
 - b. Ask me about any requirements or policies that you do not understand.
 - c. Keep all handouts, tests, and other assignments until you have received your final grade from the registrar.

3. Be prepared!
 - a. Take careful notes.
 - b. Keep up on all assignments, getting information from me or another class member if you are absent.
 - c. Spend at least two hours on outside work for every hour of classroom work.
 - d. Have your text and notes open and be ready to begin before I start class.

4. Be attentive.
 - a. Listen carefully to my comments, noting information that is stressed.
 - b. Do not attempt to copy every example I write on the board. Listening and watching are also important.
 - c. Avoid distracting behavior such as sleeping, wearing headphones, sharpening pencils during class, and having a pager.

5. Be punctual.
 - a. Attend class on time.
 - b. Get required work in on time, or see me if that is impossible.
 - c. Be on time for all examinations.

6. Be respectful.
 - a. Tell me if you must leave early or arrive late.
 - b. If you arrive late, enter quietly and sit in an available seat close to the door.
 - c. Be polite and respect yourself, your classmates and me.
 - d. If you have criticism of the course or need to talk to me, see me privately.

7. Be serious
 - a. Work hard.
 - b. Ask and respond to questions in a serious manner.
 - c. Abide by the honor system during exams, quizzes, and out-of-class assignments; do not cheat or assist in cheating!

8. Be aware of the *Students Rights and Responsibilities* handbook.

***MAT 0024 – Beginning Algebra
Time Line
Spring Term, 2008 MWF Version 1***

	Textbook Section(s)	Topics
Week 1	1.3, 1.4, 1.5, 1.6	Algebraic Expressions
Week 2	1.7 Ch 1 Test	Algebraic Expressions
Week 3	2.1, 2.2, 2.3, 2.4	Solving Equations (No classes 1/21)
Week 4	2.5, 2.6 Ch 2 Test	Solving Equations
Week 5	5.1, 5.2, 5.3, 5.4, 5.5	Polynomial Operations
Week 6	5.6 Ch 5 Test	Polynomial Operations
Week 7	6.1, 6.2, 6.3, 6.4, 6.6	Factoring
Week 8	7.1 Ch 6/7 Test	Factoring
Week 9	3.1, 3.2, 3.3, 3.4	Problem Solving
Week 10	Ch 3 Test, 4.1, 4.2	Graphing
Week 11	4.3, 4.4, Ch 4 Test	Graphing
Week 12	9.1, 9.2, 9.4	Square Roots
Week 13	Competency Test, 7.2, 7.3	Rational Expressions
Week 14	7.4	Rational Expressions
Week 15	Final Exams	Final Grades Due 4/28

Test Deadline Dates:

Chapter 1 Week 2: 1/18
 Chapter 2 Week 4: 2/1
 Chapter 5 Week 6: 2/15
 Chapter 6 Week 8: 2/29
 Chapter 3 Week 10: 3/12
 Chapter 4 Week 12: 3/21
 Chapter 9 Week 14: 4/18

Chapter test dates listed on the timeline are absolute test deadline dates. Chapter tests may be given before these dates if desired.

January 21: Martin Luther King Holiday
 March 31 – April 4: Spring Break
 Competency Test 4/9 – 4/12

***MAT 0024 – Beginning Algebra
Time Line
Spring Term, 2008 TR Version 1***

	Textbook Section(s)	Topics
Week 1	1.3, 1.4, 1.5, 1.6, 1.7	Algebraic Expressions
Week 2	Ch 1 Test	Algebraic Expressions
Week 3	2.1, 2.2, 2.3, 2.4, 2.5, 2.6	Solving Equations (No classes 1/21)
Week 4	Ch 2 Test	Solving Equations
Week 5	5.1, 5.2, 5.3, 5.4, 5.5, 5.6	Polynomial Operations
Week 6	Ch 5 Test	Polynomial Operations
Week 7	6.1, 6.2, 6.3, 6.4, 6.6, 7.1	Factoring Rational Expressions
Week 8	Ch 6/7 Test	Factoring
Week 9	3.1, 3.2, 3.3, 3.4	Problem Solving
Week 10	Ch 3 Test	Problem Solving
Week 11	4.1, 4.2, 4.3, 4.4	Graphing
Week 12	Ch 4 Test, 9.1, 9.2, 9.4	Square Roots
Week 13	Competency Test, 7.2, 7.3	Rational Expressions
Week 14	7.4, Ch 7/9 Test	Rational Expressions
Week 15	Final Exams	Final Grades Due 4/28

Test Deadline Dates:

Chapter 1 Week 2: 1/17
 Chapter 2 Week 4: 1/31
 Chapter 5 Week 6: 2/14
 Chapter 6 Week 8: 2/28
 Chapter 3 Week 10: 3/13
 Chapter 4 Week 12: 3/25
 Chapter 9/7 Week 14: 4/17

Chapter test dates listed on the timeline are absolute test deadline dates. Chapter tests may be given before these dates if desired.

January 21: Martin Luther King Holiday

March 31 – April 4: Spring Break

Competency Test 4/9 – 4/12

MAT 0024 – Beginning Algebra
Assignments
Spring Term, 2008

Textbook Section	Page	Problems
1.1	9	1-75 every other odd
1.2	19	19-45 odd
1.3	34	9-91 every other odd
1.4	52	11-79 every other odd, 81-84
1.5	65	13-35 odd, 41-48 all, 49-61 odd, 73, 77-83 all
1.6	73	7-39 odd, 45, 47, 51, 55, 63, 64, 65
1.7	85	7-27 odd, 29-77 every other odd
Ch 1 Review	95	47, 49, 55, 56, 57, 63, 67, 68, 77, 87, 88, 89
2.1	112	5-14 all, 21-27 odd, 31, 35, 37, 42, 57, 59
2.2	128	1-6 all, 7-21 every other odd, 23-61 odd, 69, 73
2.3	140	1-6 all, 7-71 every other odd, 77, 80, 81
2.4	149	5-35 odd, 41, 43, 47, 49, 51, 53, 57, 61, 63
2.5	158	7-31 odd, 45, 47, 49, 61
2.6	172	17-43 odd
Ch 2 Review	182	21-29 all, 33, 35, 39, 47, 63
3.1	197	21-25 all, 31-39 all, 47, 49, 59, 63, 69
3.2	214	39-55 odd, 59, 61, 67, 69, 83, 85
3.3	232	5, 7, 9, 17, 21, 23, 29, 31, 33, 35, 37, 43, 45, 47, 49
3.4	240	1, 2, 7, 9, 11, 13, 15, 21, 23
3.5	248	1, 7, 9, 11, 13, 15, 17 (<i>I = prt</i> only)
Ch 3 Review	257	13, 17, 21, 23, 45, 47, 55, 57, 61, 65
4.1	273	9-12 all, 13-31 odd, 41, 42
4.2	283	1-6 all, 7-21 odd, 23-31 all, 33-51 odd, 53, 54, 55, 63-69 odd
4.3	295	7-49 odd
4.4	307	7-53 odd
Ch 4 Review	363	7, 8, 9, 25, 29, 30, 35, 36, 45, 49, 51, 55, 56
5.1	382	7-19 odd, 21-37 odd, 49-77 every other odd
5.2	395	1-41 every other odd, 43-45 all, 63-93 odd
5.3	406	5-57 odd
5.4	417	7-26 all, 31, 32, 37-40 all, 42, 55-85 odd, 86
5.5	431	7-53 odd, 57-65 odd, 79-99 odd
5.6	445	7-31 odd, 59-75 odd, 107, 129 odd
Ch 5 Review	454	12, 14, 15, 19, 51-59 odd, 65, 70, 73, 79-91 odd, 99, 101
6.1	468	7-21 every other odd, 23-59 odd, 63-66 all, 67-97 every other odd
6.2	475	5-43 odd, 45-69 every other odd
6.3	484	11-57 odd, 59, 65, 67, 71
6.4	492	7-43 odd, 65, 67, 71, 73
6.5	499	7-65 odd

Textbook Section	Page	Problems
6.6	510	5-47 odd, 55, 57, 63, 67, 69
Ch 6 Review	530	11, 17, 25, 37, 41, 45, 47, 53, 57, 61, 63, 77, 79, 81, 83
7.1	545	7, 11, 15-23 odd, 25-51 odd, 53-59 all
7.2	558	7-33 odd, 39, 41, 43-61 odd
7.3	567	5-39 odd
7.4	577	7-17 odd, 27-35 all, 43, 45, 49, 51, 53, 57
7.5	586	7-21 odd, 25, 27, 33, 35
Ch 7 Review	622	11, 15, 19, 21, 27, 29, 35, 37, 43, 47, 57, 59, 65
9.1	704	7-47 odd, 61-75 all, 85
9.2	714	5-25 odd, 31-53 odd
9.3	722	5-43 odd
9.4	732	5-17 odd, 21-41 odd, 59-79 odd, 87-97 odd
Ch 9 Review	764	19, 21, 27, 30, 33, 35, 53, 56, 59, 61, 63, 67, 71, 73, 75