

MATH 121 - COLLEGE ALGEBRA
Syllabus – Fall, 2005

TEXT: *College Algebra*, by Paul Sission
Hawkes Learning Systems: College Algebra

TESTS:

1. There will be four (4) major tests during the semester. Each test will count 100 points. The test questions will be similar in format to the examples in the book and the homework problems. Tests will cover material from the lectures, software and textbook.
2. Homework will be assigned for each section of material covered in the book. The homework is to be done on the computer using the Hawkes software. A two-day grace period will be extended for software assignments with a 50% penalty attached to the late assignment. No software assignments will be accepted after the two-day grace period, for any reason. The homework assignments will count for a total of 100 points.
3. The final examination is comprehensive and will count 200 points.
4. The lowest test grade will be dropped.

FINAL GRADE: The cumulative point total for the tests, homework, and the final examination is 600 points (300 tests, 100 homework, and 200 final exam). The following point scale will be used to determine your final grade.

<u>Grade</u>	<u>Points Necessary for Grade</u>
A	540 - 600
B	480 - 539
C	420 - 479
D	360 - 419
F	below 360

ATTENDANCE POLICY: It is essential to attend every class in order to do well in mathematics. For classes that meet three days a week, students are allowed six (6) absences. For classes that meet one day a week, students are allowed four (4) absences. For each absence above the allowed limit, ten (10) points will be deducted from the student's final point total. **For students in a lab section: The mandatory 75 minutes of lab time per week counts as one class meeting. If you do not attend lab for at least 75 minutes during a given week, it will be counted as one absence.**

VERY IMPORTANT:

1. There will be absolutely NO make-up tests given for ANY reason. Your lowest test grade will be dropped, so your first missed test will be your drop test. Any test missed after the first one will count as a zero.
2. Any person who must miss a scheduled exam because of an official university function must reschedule with the instructor to take the exam at a time BEFORE the exam is scheduled to be given. NO OTHER rescheduling will be allowed. Official documentation must be provided.
3. Students must show all work for each test question and arrive at a correct answer.
4. An "I" grade will not be given without the permission of the Department of Mathematics.
5. If a student wishes to discuss the grading policy or the testing policy, or wishes to have any conversation regarding the instructor of the course, please make an appointment with the course supervisor in the Department of Mathematics.
6. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the 12-noon examination or the 7:30 p.m. examination on some other mutually satisfactory date. Please note that only the 12:00 noon and the 7:30 p.m. examination may be rescheduled for this reason.
7. **Every student must take the final examination at the time scheduled unless they have three exams on the same day or their exam time conflicts with a university excused activity. No other exceptions will be made. Check now to note the date and time of our final exam.**

Cheating: The following statement is the policy of the Department of Mathematics in Math 121 regarding cheating:

Offenses: Cheating on any exam, quiz, homework, work to be completed in class; theft, or attempted theft of exam questions; or possession of exam questions prior to the time for examination; shall all be offenses subject to appropriate penalties.

Penalties: The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the university.

WITHDRAWAL DEADLINE FOR FALL 2005 SEMESTER: Monday, October 3. After the Course Withdrawal Deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise, the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergencies as determined by the academic dean. Dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student has changed his or her major.

ACADEMIC NEEDS: It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then be happy to work with the student so that a reasonable accommodation of any disability can be made.

CALCULATORS: A scientific or graphing calculator is required for College Algebra. Please note that graphing calculators that have a Computer Algebra System or a QWERTY keyboard are strictly prohibited and use of these calculators on tests will be considered academic dishonesty. This includes, but is not limited to, the TI-89, the TI-92, and the Casio Algebra FX 2.0. Cell phones calculators are also prohibited.

COMPUTERS: This course will be taught with the use of computers. Any questions regarding computer problems such as Internet access should be directed to the IT Helpdesk at 662-915-5222. Problems involving the software should first be addressed to Hawkes (1-843-571-2825) and then to your instructor if the problems were not fixed. Remember – your instructor is not a computer expert. Your instructor is there to help you with the algebra.

ELECTRONIC DEVICES: All cellular phones, pagers, and other electronic equipment should be turned off and put away during the class period. Use of any electronic equipment not approved of by your instructor while taking a test will be considered cheating and appropriate action will be taken.

SPECIAL DATES: Labor Day: Monday, September 5
Thanksgiving: Monday - Friday, Nov. 21 - 25
Classes end: Friday, December 2
Final exams: Monday - Friday, Dec. 5 - 9

TEST DATES:

The date of your test is dependant on your class time. Your test will be given during your regular class time.
Test 1 – Tuesday - Thursday, September 6, 7, & 8 covering sections 1.5, 1.4b, 2.1a, 2.2
Test 2 – Tuesday - Thursday, September 27, 28, 29 covering sections 2.3, 2.4, 2.5, 2.6
Test 3 – Tuesday - Thursday, October 25, 26, 27 covering sections 3.2, 3.3, 4.1, 4.2a, 4.5, A.1, A.2 (**not** 5.1 & 5.2)
Test 4 – Tuesday - Thursday, November 29, 30, December 1 covering sections 6.1, 8.1, 4.6, 7.1, 7.3, 7.4, 7.5

FINAL EXAM - covers all previous material

Examination Instructions:

Examinations should conclude in three hours unless otherwise specified by the instructor.

No examinations are to be given at times other than scheduled hours, either for an individual or for a class, unless the instructor has approval from the academic dean. Please check the time of your exam NOW and schedule all flights and trips as to be sure to be on campus at the time of the exam.

Student Getting Started Directions
Math 121 ONLY

Purchase the software required by your instructor. Please note that once you open the package, the materials are **NOT** refundable.

The software is installed in Weir Hall and the Kinard Math Lab. You may also install the software at home, or on any other PC you have access to. This software is not compatible with Macintosh computers.

To Install the Software:

1. Place CD #1 in the CD-ROM drive. (CD #1 is the only CD needed for the installation.)
2. Double-click on the **My Computer** icon.
3. Double-click on the CD-ROM drive (has a picture of a CD-ROM disk).
4. Double-click on Setup.exe.
5. Follow the on-screen instructions.
6. You will be prompted for a **Course ID**.
 - **If you have internet access** – select “Yes, the Course ID is:” and enter **UMissCOL** in the box provided.
 - **If you do not have internet access** – select the option that says “No, I will not be accessing an online progress report from this computer.”

In order to use the software, you will need an Access Code.

To Get Your Access Code:

1. Go to www.hawkeslearning.com and click on “**get your access code**”.
2. Fill out the form (including your 15-digit license number found on the yellow sticker on the CD sleeve) and submit your information.
3. Your personalized Access Code will be displayed on the screen. You will also receive an email containing your Access Code in the body of the email as text and as an attachment called "access.cod". You may save this attachment to a floppy disk. If you have any questions, please email us at codes@hawkeslearning.com
4. Once you receive your Access Code, you are ready to access the software. After you enter your Access Code, you will be prompted to save it. You should save your Access Code to a floppy disk so that you can click the “load from disk” option each time you use the software to avoid typing your Access Code again.

Your instructor will assign lessons for you to complete in the software.

Each lesson consists of the following four modes:

INSTRUCT:	Instruct provides a narrated lecture on the lesson, including definitions and examples.
PRACTICE:	The Practice option will allow you unlimited practice problems with immediate feedback for each lesson.
CERTIFY:	The Certify option is what counts – here you will complete the homework assigned by your instructor.
QUIT:	Quit will allow you to exit the lesson and return to the Table of Contents page.

Upon certifying in an assigned lesson, you will be given a Certification Code (this is validation that you completed your certification). It is recommended that you print and/or save to a floppy disk your Certification Code. Your code will automatically be sent to your instructor’s grade book when you close the certificate screen.

*** Note, you must register your Certification Code ON or BEFORE the due date to get credit for the assignment.**

MATH 121 Suggested Practice Problems from the Textbook

TEST 1:

- Section 1.5 Polynomials and Factoring 13-32; 39, 42-54
- Section 1.4b Properties of Radicals 39-47
- Section 2.1a Linear Equations in One variable 1-11; 18-24; 26-31
- Section 2.2 Linear Inequalities in One Variable 1-12; 22-33

TEST 2:

- Section 2.3 Quadratic Equations in One Variable 1-12; 16-23; 25-30; 37-39
- Section 2.4 Higher Degree Polynomial Equations 13, 15, 19-21
- Section 2.5 Rational Expressions and Equations 1-6; 8-11; 13, 14,17; 19-22; 25-32 33-36
- Section 2.6 Radical Equations 1, 5-7; 10, 13,14,16

TEST 3:

- Section 3.2 Linear Equations in Two Variables 25-39
- Section 3.3 Forms of Linear equations 1-24; 31-45
- Section 4.1 Relations and Functions 39-50
- Section 4.2a Linear and Quadratic Functions 16-30
- Section 4.5 Combining Functions 1-8; 21-28
- Section 5.1 Polynomial Inequalities 41-49 (Section A.1 in software)
- Section 5.2 Polynomial Division 19-23; 39-42 (Section A.2 in software)

TEST 4:

- Section 6.1 Rational Functions and Inequalities 1-10; 19-27; 49-55
- Section 8.1 Systems of Equations 1-3; 9-12; 16-19
- Section 4.6 Inverse Functions 25-32
- Section 7.1 Exponential Functions 19-33
- Section 7.3 Logarithmic Functions 13-26; 28-35
- Section 7.4 Properties of Logarithms 1-6; 19-24
- Section 7.5 Exponential and Logarithmic Equations 1-21