

COURSE NUMBER, TITLE

MAT 099, Intermediate Algebra

COURSE TEXT

D. Franklin Wright. Intermediate Algebra. Fifth Edition. Hawkes Learning Systems/Quant Systems, Inc. 2011.

ISBN #: **Software Only:** 978-0-918901-40-6; **Software + eBook Bundle:** 978-1-935782-34-6;

Student Textbook and Software Bundle: 978-1-932628-48-7; Student Solution Manual: 978-1-932628-79-1.

COURSE DESCRIPTION

MAT 099 serves as the prerequisite to MAT 103 or MAT 104 for students who do not have two years credit of high school algebra. The Mississippi Board of State Institutions of Higher Learning (IHL) requires that all entering freshmen with an ACT math subtest score of 16 or below take MAT 099 during their first semester of enrollment at an IHL university. Students are required to **pass** the 099 class prior to taking any additional courses in that subject area. **Students are not allowed to withdraw from any 099 class unless that student is completely withdrawing from the university.** This course does not satisfy any degree requirements; however, a failing grade in MAT 099 course **will count** toward the student's GPA with regards to academic probation and suspension.

GENERAL COURSE OBJECTIVES (GOALS)

Students will demonstrate active engagement in their learning experience by interacting with the Hawkes Learning Systems Course Management system software to demonstrate "Mastery" learning of the material in completing homework assignments, and by taking quizzes and tests.

GENERAL EDUCATION COMPETENCIES

Students will demonstrate competency in:

- GE 1. **Critical and Creative Thinking** – Developing sound analytical and reasoning skills and the ability to use them to think critically, solve problems, analyze logically and quantitatively, and effectively respond to change.
- GE 2. **Communication** – Developing skills to communicate effectively through reading, writing, speaking, and listening.

SPECIFIC OBJECTIVES

Upon completion of the course, the student will be able to:

1. Find the sum, difference, product, and quotient of any two real numbers.
2. Evaluate, simplify and perform operations with algebraic expressions.
3. Solve linear, quadratic and miscellaneous equations and their applications.
4. Solve linear inequalities.
5. Factor and perform operations with polynomials.
6. Simplify radical expressions and solve equations involving radicals.
7. Find the slope and equations of lines and sketch their graphs.

MAJOR STUDENT ACTIVITIES

1. Regular and punctual class attendance as determined by the regulations of the University and the Department.
2. Students must complete homework by due dates as assigned through the HLS software.
3. Students will take announced and unannounced quizzes in the math lab using the HLS software.
4. Students will take four pre-announced tests in the math lab during the semester.
5. Students will take **four practice tests** on which a **minimum score is required** before taking the corresponding pre-announced test.
6. Students must take a comprehensive final exam as scheduled by the university at the end of the semester.

EVALUATION AND GRADING

1. Unannounced quizzes may be given throughout the semester (based on homework assignments).
2. Homework will count as 20% of your final grade. Homework (to be done on the computer using Hawkes Learning Systems software) must be done by the due date to get full credit.

Late homework penalties will be assessed as follows:

- 10% for homework 1 days late;
- 25% for homework 2-3 days late;
- 50% for homework 4-5 days late;
- 100% for homework more than 5 days late.

3. Four scheduled tests will be given during the semester. Tests are administered online in the math lab using the Hawkes Learning Systems Course Management System software. Calculators are permitted during testing, but you must submit to having the **memory reset** before using a **graphing calculator**.

Your **final grade** will be the **average of:**

1. the **homework grade**;
2. the **3 best scheduled test grades**; and
3. the **final exam** (all equally weighted).

There will be No Extra Credit or “make-up” work to improve your grade.

Grades will be assigned according to the following scale:

A (93 – 100) B (85 – 92) C (77 – 84) D (70 – 76) F (Below 70)

PRESENTATION METHODS

1. Lecture with demonstration 70%.
2. Learning by solving problems during class to include small group work and/or lab work via Hawkes 20%.
3. Class discussion and questions and answer period at beginning of class 10%.
4. Hawkes video and practice problems.

ACADEMIC HONESTY POLICY

Cheating and plagiarism are not tolerated. If it is established that a violation has occurred, the instructor may determine the penalty, or he/she may report the offense to the department chair and dean of the school. The usual penalty involves a grade of zero on the test, examination or paper in question.

AMERICANS WITH DISABILITIES ACT

Delta State University is committed to a policy of equal employment and educational opportunity. Delta State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. This policy extends to all programs and activities supported by the University. The Office of Disability Services is available for students who require academic accommodations due to any physical, psychological, or learning disability. Any student with a clinically diagnosed disability who desires accommodation under this Act should contact Dr. Richard Houston in the Office of Disability Services at 846-4690.

ADDITIONAL COURSE-SPECIFIC RULES, POLICIES, EXPECTATIONS

CLASS ATTENDANCE

Prompt and regular attendance is necessary for success in this course. **MAT 099 students enrolled in a three-day-per-week class who accumulate more than 6 total absences, excused and unexcused combined, will receive a grade of F for the course.** **MAT 099 students enrolled in a two-day-per-week class who accumulate more than 4 total absences, excused and unexcused combined, will receive a grade of F for the course.** This F is considered in the computation of the student's GPA. **To be counted present, you must arrive on time for the class and remain in class the entire time.** When you are tardy for class, it is your responsibility to request that I change the recorded absence to a tardy. This must be done on the day the tardy occurs. **A maximum of 3 tardies will be allowed** without consequences. **Each additional tardy will be recorded as an unexcused absence.**

CLASSROOM POLICIES AND MAKE-UP TESTS

1. **Do NOT go to SLEEP in CLASS!!!**
2. Do not use tobacco or eat in the classroom.
3. Do **come to class on time** and be prepared to begin class at the scheduled time.
4. Do not ask to leave class early. Schedule all appointments at times that do not conflict with class time.
5. **Cell Phones and Pagers must be turned off during class.** Cell Phones may not be used as calculators.
6. Calculator use is permitted during all classes and tests.
7. **Take earphones and listening devices out of your ears upon entering the classroom.**
8. Scheduled tests will be announced about a week prior to the actual test dates.
9. Be sure to **show all work on tests.** No partial credit will be given if the work is not shown in detail.
“Answers only” will not be accepted.
10. Come to my office for help during scheduled office hours. No appointment is necessary. It is extremely important that you understand the material and are able to complete the homework assignments for each class prior to the next class. Tutoring is also available in Walters 280, and the Student Union bldg. rm. 311.
11. You must expect to practice assigned problems until you understand them. HLS is a good tool for this purpose.

12. **Make-up tests will be given only to those students presenting a written excuse**, acceptable by the university. Any absence from scheduled work must be covered by a written excuse by the Vice President for Academic Affairs, the Student Health Service, or a doctor before the student is allowed to make up that missed work. All make-up work must be completed within three days of returning to class. Any exception to this rule must be arranged before the work is missed.
13. Buy a scientific calculator or graphing calculator early in the semester and learn how to use it. Do not expect me to know how to use your calculator without the manual. Please do not ask to borrow a calculator from me or one of your classmates on test day since rarely do two calculators operate exactly the same. **BRING YOUR CALCULATOR TO CLASS EVERY DAY.**

IMPORTANT DATES

August 24, 2015 is the last day that a course may be added to your schedule; this includes changes from one section to another within the same course. Those who plan to **audit** this course, must make the change by **August 28, 2015**. Students who remain in the course **after August 31, 2015**, and then elect to drop the course will receive a grade of **W if passing or F if failing** the course at the time of the drop. The withdrawal process is not complete until the drop slip has been signed by all designated parties and the completed form has been turned in to the Registrar's office. **The last day to drop a class is December 4, 2015.** The **comprehensive final exam*** will be given on **Wednesday, December 9, 2015 at 3:00 pm (places to be announced).**

Free tutoring will be available in the Academic Support Lab for students who need help outside of class. It is located in the H. L. Nowell Student building, room 311. Contact Tricia Killebrew at 846-4654 for hours. There may be a tutor in the math department also.

Labor Day Holiday	September 7, 2015
Fall Break	October 8-9, 2015
Mid-term grades Reported	October 14, 2015
Thanksgiving Holidays	November 23-27, 2015
Final Exams	December 7-11, 2015
Fall Commencement	December 12, 2015

OFFICE HOURS

Monday	Tuesday	Wednesday	Thursday	Friday	Location
8:00 – 9:00		8:00 – 9:00		8:00 – 9:00	EW 358
	10:00 – 10:50		10:00 – 10:50		EW 358
				12:00	BR 165
	5:00 – 6:00		5:00 – 6:00		EW 358
5:00 – 7:00					BR 173

Other Times by Appointment

Computer labs (tests): BR 173 and EW 238

Mandatory Weekly Lab Attendance

Broom Hall Lab (BR 202) **3:00 – 5:00 every Tuesday afternoon**

Nursing Lab (NSG 140) **2:00 – 5:00 every Wednesday afternoon** (The nursing lab has 50 computer stations in study carrels. The best way for students to enter the building and access the lab is through the entrance on Oak Street. When using the Oak Street entrance, proceed straight ahead. The lab is on the left after going through the last interior doorway, but don't go too far and go outside.)

TUTORING SERVICE

Free tutoring will be available in the Academic Support Lab for students who need help outside of class. It is located in the H. L. Nowell Student building, room 311. Tricia Killebrew at 846-4654 for hours. There may be a tutor in the math department also.

Web Site for a list of video clips related to the main topics in college algebra

<http://www.deltastate.edu/college-of-arts-and-sciences/mathematics/mat104/>

Things to Remember

1. Makeup tests will be given on Mondays at 5:00 only (official excuse must have been shown to instructor prior to this occurrence).
2. **If you do not take your test on the first scheduled test day, your grade will be zero until the test is taken.**
3. **Check Hawkes** (email, Dashboard et al.) **every day** to keep up with homework, quizzes and other assignments.