

Intermediate Algebra
DSPM 0850
Course Syllabus

Course Description

3 Credits; 3 Lecture Hours

This course covers intermediate algebra topics such as roots and radicals, factoring polynomials, simplifying and solving equations with rational expressions, solving and graphing quadratic equations, exponential expressions, basic geometry and the Pythagorean Theorem.

Prerequisite: Passing grade in Elementary Algebra or appropriate placement score.

Text and Materials

Text: *Basic Math, Algebra and Geometry with Application, 2nd Ed. W/MMLs*; Cheryl Cleaves and Margie Hobbs

Other: A graphics calculator is required. The Texas Instruments model TI-83 plus or TI-84 is recommended.

General Student Outcomes

In the completion of this course the student will:

1. Write expressions using radicals; simplify radical expressions; write complex numbers.
2. Develop proficiency in factoring polynomials.
3. Reduce rational expressions to lowest terms; solve equations with rational expressions.
4. Solve quadratic equations by various methods.
5. Graph quadratic equations by various methods.
6. Solve higher degree equations.
7. Solve geometric applications.
8. Use the Pythagorean Theorem; find the distance and midpoint between 2 points.
9. Apply the above skills to real-world applications.

Final Exam

After completing all units in any developmental mathematics course, a COMPREHENSIVE FINAL EXAM will be required. The score on this exam will be calculated as a portion of your final grade. The individual instructor will determine how your final grade is calculated.

Course Pacing

The instructor is responsible for pacing the entire class in order that the required course content is covered. Examinations will be scheduled and administered to the entire class during regular class meeting times. The final exam for Basic Mathematics will be administered during the scheduled final exam period. Be sure to note your instructor's pacing guidelines and his/her policies on make-ups.

Grading Policy

Your instructor determines the grading policy in your class. Your letter grade will be based on the following scale:

<u>Letter Grade</u>	<u>Numerical Grade</u>
A Superior	90 – 100 %
B Excellent	80 – 89%
C Average	70 – 79%
F Failure	< 70 %
W Withdrawal	Must submit official form
I Incomplete	Must see instructor to complete

Attendance Policy

The Tennessee Board of Regents requires **mandatory** attendance for all students in developmental classes. The following rules apply:

- (1) A student may fail a developmental class, regardless of prior course grades, after missing the equivalent of two weeks of class. Failing a course may adversely affect VA benefits, financial aid, insurance benefits, dependency status, scholarship eligibility etc.
- (2) Individual instructors determine specific make-up policies. Students absent from a developmental class might not be allowed to make up missed tests, writing assignments, or other graded work. Missed work will adversely affect final course grades. Documentation of reason for absence is expected.

ADA Statement

Southwest Tennessee Community College is committed to providing reasonable accommodations for all qualified individuals with disabilities. It is the responsibility of the student to contact the Counseling, Advising, and Articulation Center to arrange for appropriate accommodations. When the disability has been documented and verified, a counselor will contact the faculty member regarding any special accommodations to be provided.

For more detailed information, refer to the college catalog under the section on Counseling for students with disabilities.

Misuse of Computers

Computers in Southwest Tennessee's computer labs, the Academic Support Center and the library are to be used for educational purposes only.

Beepers or Telephones

All communication devices must be turned off if you have these items with you in class. The noise is distracting not only to the instructor but to your classmates as well. In some instances you may be asked to put these devices away.

Unauthorized Attendance

No children or other unauthorized individuals are allowed in the classroom. No student will be allowed to attend class until his/her name is on the official class roll or he/she has proper documentation from the Records Office.