Credits: 3   **DSPM 0850**
                                   INTERMEDIATE ALGEBRA
                               SYLLABUS AND STUDENT RULES

I.   Course Description

A continuation course in algebra. Topics include fundamental operations of algebraic factoring, solving quadratic equations, writing equations of lines, stated problems, rational expressions and equations, exponents and radicals, linear inequalities, linear systems, and graphing linear and quadratic equations. *Prerequisite: DSPM 0800 or equivalent skills*

II.   Course Outcomes

Upon successful completion of this course, the student should be able to:

1. Simplify rational, exponential, and radical expressions.

2. Solve rational, quadratic, and radical equations and systems of equations.

3. Solve application/word problems using linear, rational, and systems of equations with the purpose of understanding the use of algebra to solve real world problems.

4. Graph linear equations using intercepts and slope. Learn the concept of slope and use to write equations of the line. Graph quadratic functions.

5. Identify functions using ordered pairs, equations, and graphs. Recognize and use functional notation.

6. Apply the calculator to graph linear and quadratic equations, inequalities, and solve systems of equations.

III.   Text and Calculator Requirements for classroom: *Students must check with the instructor before purchasing any materials*

Textbook: *Beginning and Intermediate Algebra* 4th Edition by Lial, Hornsby, and McGinnis, ISBN 0321507223 with MyMathLab access, available in the NSCC bookstore
(Stand alone MyMathLab access: ISBN 032119991X);
(Stand alone textbook ISBN—0-321-44233-4).
Calculator: Texas Instruments TI-84 Plus. TI-89 or comparable calculators are not allowed.
The DSPM 850 review packet is also required for this course and is available in the NSCC bookstore or by downloading from **ww2.nscc.edu/dspm**

Recommended Item for classroom:
   Student Solutions Manual for Beginning and Intermediate Algebra, 4th Edition
   (Pearson Addison Wesley Publishing.) ISBN 0-321-44954-1
Required for Web Class: My Math Lab Access Code (ISBN 032119991X)
   Strongly Recommended for Web Class*: Beginning & Intermediate Algebra* with MyMath Lab access code (ISBN 0321507223)

IV.   Course Requirements
   In order to receive credit for this course, the student must:
   A. Attend class regularly.
   B. Complete the homework assignments.
   C. Have a final average of 70 or more.
   D. Complete three (3) unit tests and a comprehensive final exam.

V.   Grading
   On-Campus courses:
   Grades for this course will be based on unit tests, homework, and a final exam.

Unit tests	60%
Homework	15% (procedure to be announced by instructor)
Final Exam (comprehensive)	25%

Note: Points may be deducted from the <u>final average</u> for more than three absences (<u>3</u> class room hours).

Web courses:
Grades for this course will be based on unit tests, discussions, homework, and the final exam as follows:
   Tests--50%
    Discussions (Introduce Yourself, Summary and Reflections)--10%
    Homework--15%
    Final Exam (comprehensive)--25%

Grading Scale:
A   90-100
B   80-89
C   70-79
F   0-69
X   Continuation Grade - See below for criteria.
1. Must be first attempt (no W, F, X, FA or FN grades on record)
2. Must have completed all requirements (homework, all three unit tests, and final exam)
3. Attendance record must not be in violation of stated attendance policy
4. Overall average must in the "D" range (59.5-69.5)
Failure to attend class will result in a final course grade of "FA" or "FN" (see explanation below).

FA= failure, attendance-related (unofficial withdrawal)
FN= failure, never attended class (unofficial withdrawal)

VI.   <u>Policies</u>
Attendance:

A.   Students are expected to attend all classes and be on time. If classes are cancelled at the college due to **inclement weather**, a class assignment will be posted and required for submission upon return to class - see your Instructor for details.

B.   A maximum of three absences (3 classroom hours) is allowed with no <u>direct</u> effect on the final grade. Each hour of absence over this number may lower the student's final average by one point for each hour of absence. **Students will receive an "FN" or "FA" grade after missing the sixth hour of class, regardless of any homework/participation/tests/work submitted after the 6th hour of absence.**

C.   Any test or assigned homework missed due to absence must be made up within one week of the student's return to class.

D.   Tardies will be recorded and will lower the course grade. Guidelines will be announced by the instructor.

Makeup Tests:
Students who miss a scheduled unit test must make up the test in the Testing Center within two days of returning to class. Ten points **will be** deducted from the final score of the makeup test taken <u>after</u> the assigned test day. Makeup tests and retests are to be taken in the Testing Center in the Student Services building (S-217, 353-3564).

Other: All electronic devices are to be turned off (or 'vibrate') during class unless prior consent has been given by the instructor. Students wanting to make use of an electronic note-taking device (laptop, ipad, etc.) must see the instructor and sign a 'use-contract' prior to using the

device.

Any changes in course sections **must** be before the second class meeting and will only be allowed into sections with open seats and instructor/coordinator approval.

Students who want to drop to a **lower level** mathematics course **must** make the request for consideration before the second class meeting and will only be allowed into lower level sections with open seats. Approvals of the instructor and mathematics coordinator are required.

VII. Instructor Information
Record the following information concerning the course instructor.

Name: _____   email: _____

Office Number: _____   Office Phone: _____

Office Hours: _____

Messages may be left on the instructor's voice mail, with the department secretary in K-240 (353-3369) during daytime hours, or with the division evening secretary in K-120 (353-3328).

Nashville State complies with the Americans With Disabilities Act. If you wish to request any accommodation(s) for this class, please notify the instructor as soon as possible. The phone number is 353-3721.

Nashville State Community College has a zero tolerance policy for disruptive conduct in the classroom. Students whose behavior disrupts the classroom will be subject to disciplinary sanctions.

The instructor has primary responsibility for control over classroom behavior and maintenance of academic integrity. He/she can order temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or conduct which violates the general rules and regulations of the College.

Disruptive behavior in the classroom may be defined as, but is not limited to, behavior that obstructs or disrupts the learning environment (e.g., offensive language, harassment of students and professors, repeated outbursts from a student which disrupt the flow of instruction or prevent concentration on the subject taught, failure to cooperate in maintaining classroom decorum, etc.), the continued use of any electronic or other noise or light emitting device which disturbs others (e.g., disturbing noises from beepers, cell phones, palm pilots, lap-top computers, games, etc.)

Academic Dishonesty (Honor Code)

Any form of academic dishonesty, cheating, plagiarizing, or other academic misconduct is prohibited. "Plagiarism may result from: (1) failing to cite quotations and borrowed ideas, (2) failing to enclose borrowed language in quotation marks, and (3) failing to put summaries and paraphrases in your own words" (A Writer's Reference 331). Academic dishonesty may be defined as, but is not limited to, intentionally trying to deceive by claiming credit for the work of another person, using information from a web page or source without citing the reference, fraudulently using someone else's work on an exam, paper, or assignment, recycling your own work from another course, purchasing papers or materials from another source and presenting them as your own, attempting to obtain exams/materials/assignments in advance of the date of administration by the instructor, impersonating someone else in a testing situation, providing confidential test information to someone else, submitting the same assignment in two different classes without requesting both instructor's permission, allowing someone else to copy or use your work, using someone else's work to complete your own, altering documents, transcripts or grades, and forging a faculty/staff member's signature.

In addition to other possible disciplinary sanctions that may be imposed through regular college procedures as a result of academic dishonesty the instructor has the authority to assign an "F"

or a "Zero" for the exercise, paper, or examination or to assign an "F" for the course.