PREREQUISITES: Successful completion of MAT 097 or MAT 085, or by placement exam

INSTRUCTOR: Barbara Goldner
Office: IB 2330 A  Email: Barbara.Goldner@seattlecolleges.edu
Phone: 934-3739  Office Hours: W 3:00 pm – 5:00 pm, or by appt

Class website: https://www.wamap.org/index.php
Textbook: Intermediate Algebra Student Workbook  Calculator: A scientific calculator

COURSE DESCRIPTION: Topics include functions, linear equations and inequalities, graphing linear and quadratic equations, exponents, logarithms, polynomials, rational expressions, radicals, and solving quadratic equations. Emphasis will be on applications and problem solving.

COURSE OUTCOMES: At the completion of the course, a student should be able to...
• work with different types of expressions (linear, polynomial, rational, radical, exponential, logarithmic)
• identify different types of equations and know how to solve them.
• solve application problems by using appropriate strategies
• be able to read and interpret graphs
• understand the different ways to represent a relationship (graphs, linear equations, and tables) and be able to easily move between them.
• Recognize and utilize function notation and concepts.

WAMAP: We will use WAMAP for our online work, including videos, the textbook, and homework. This will also be your grade book. You will need to open an account and enroll in the course using the following information:
Course ID: 9700
Enrollment key: 098.H8.SP15
You must have your account set up before our first meeting on Wednesday 4/8/15.

COURSE REQUIREMENTS:
• Weekly class meeting
• Completion of all assessment tasks on schedule
• Quizzes
• Four written tests

CLASS MEETINGS: Instead of the regularly scheduled 5 hours of weekly class time, we will be meeting for 3 hours once a week. The class meetings will consist of a blend of instructional sessions, collaborative exercises and review assignments. You will spend the majority of the class meeting time actively “doing” rather than passively listening.

ONLINE WORK: The course materials and online homework are presented using the WAMAP website. You will be able to replay videos as needed. Homework exercises will have an “ask your instructor” feature. For each homework question, you have 3 attempts to get it right. If you do not, you may then ask for a similar question. Each homework has a deadline. Students are given 3 late passes that may be used. A late pass extends the deadline for 24 hours. You must indicate on WAMAP that you want to use a late pass before deadline.

QUIZZES: There will be a short quiz (~20 minutes) every Wednesday there is not an exam. The quizzes will be on the material covered the previous week. Missed quizzes are worth zero, unless an arrangement has been made with the instructor before Wednesday.

TESTS: There will be 3 tests during the quarter and a comprehensive final test. Missed tests are worth zero, unless arrangements have been made before test day. The final test will be held on Wednesday, June 17. This is a comprehensive final exam. You must take the final to receive a passing grade for this class.
**GRADES:** Math 098 is a graded class. The components of your final grade are as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>3 Tests</td>
<td>45%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
</tr>
</tbody>
</table>

Your final grade will be based on the following percentage scale:

<table>
<thead>
<tr>
<th>Lower bound</th>
<th>95% &amp; up</th>
<th>92%</th>
<th>85%</th>
<th>80%</th>
<th>77%</th>
<th>73%</th>
<th>70%</th>
<th>67%</th>
<th>63%</th>
<th>60%</th>
<th>&lt; 60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade</td>
<td>4.0</td>
<td>3.7</td>
<td>3.3</td>
<td>3.0</td>
<td>2.7</td>
<td>2.3</td>
<td>2.0</td>
<td>1.7</td>
<td>1.3</td>
<td>1.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**CLASSROOM DIVERSITY STATEMENT:** Respect for diversity is a core value of NSCC. Our college community fosters an optimal learning climate and an environment of mutual respect. We, the college community, recognize individual differences. Therefore, we are responsible for the content and tone of our statements and are empathetic speakers and listeners.

**AMERICAN DISABILITY ACT:** In my commitment to student learning, I want to support all students. Students with disabilities are encouraged to use Disability Services for support in implementing reasonable accommodations for their disabilities. If you have a documented disability that will affect your performance in this class and have an accommodation form from the Disability Office, please let me know.

**SUGGESTIONS for SUCCESS:** As the quarter progresses, you will see that the material builds on itself. Don't let yourself fall behind. If you are having a challenge please take advantage of the following

1. See me during office hours or contact me via email
2. Visit the Math/Science Learning Center where you can find math tutors.
3. Join a study group; several minds working together are better than one!

**MATH LEARNING CENTER** Tutoring for all math students is available in the Math Learning Center, located on the ground floor of the HS building, across from The Grove. One or two elective credits can be earned by enrolling in math 089. Information on credit is available from the instructor, Sam Wilson. If you are enrolled in Math 089, please contact Sam Wilson soon. [http://webshares.northseattle.edu/MLC/](http://webshares.northseattle.edu/MLC/)

**ACADEMIC DISHONESTY:** Academic dishonesty in any form will not be tolerated and will result in a 0 grade for the material for which the student has committed the offense of cheating.

**SUCCESSFUL COLLEGE STUDENT ATTRIBUTES:**

- Demonstrates intellectual engagement
  - Perceives mathematics as a way of understanding – a view that mathematics must make sense and is not a sequence of algorithms to be memorized and applied
  - Is willing to take risks and be challenged as part of the learning process
- Takes responsibility for own learning
  - Creates a schedule for studying (daily or close to it) and sticks with it.
  - Does homework everyday
  - Seeks ways to learn the material covered in class
  - Examines and learns from own errors and seeks help when needed
  - Understands the benefits of productive effort. Takes advantage of available resources such as notes, textbook, math learning center, teacher’s office hours, other students, etc.
- Perseveres when faced with time-consuming or complex tasks
  - Is convinced that effort is an important component of success in mathematics