Math 126 PreCalculus I
Section 1007/1008
Online

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Office Hours:
T Th: 12:15 PM – 2:00 PM
F: 11:30 AM – 1:00 PM
or by appointment

Prerequisites: MATH 96 or three units of high school mathematics at the level of algebra and above.

Course Description: Provides a third course in algebra. Topics include: polynomial, rational and radical equations; absolute value and quadratic inequalities; relations and functions; linear, quadratic, polynomial exponential and logarithmic functions, their graphs and applications; and systems of equations.

Course Objectives
Upon completion of this course, successful students should be able to do the following:

- Solve polynomial, radical and rational equations.
- Solve absolute value and quadratic inequalities.
- Identify functions and find inverse functions.
- Graph, find slopes and equations of linear functions and use them in models.
- Sketch the graphs of basic functions and transformations of them.
- Graph polynomial, exponential and logarithmic functions and use them in models.
- Solve systems of equations and inequalities (not necessarily linear).

Course Credits: 3

Transferability within Nevada: This course is designed to apply toward a WNC degree and/or transfer to other schools within the Nevada System of Higher Education, depending on the degree chosen and other courses completed. It may transfer to colleges and universities outside Nevada. For information about how this course can transfer and apply to your program of study, please contact a counselor.

Linkage to College Mission: apply mathematical/analytical problem solving skills through the use of polynomial, exponential, and logarithmic functions, the application of systems of equations, and the application of matrices. Provide instruction that contributes to a student’s ability to think critically and solve problems; to reason mathematically and apply computational skills.

Text: Precalculus, by Paul Sisson, Hawkes Learning System
Textbook Options for this class:
4. eBook with Hawkes Learning System: 978-1-935782-40-7
Supplies:  Text (paper or online)  
Calculator- it is recommended that you purchase a TI-89 calculator for this class.

Grading Scale:  
- A  90 – 100%
- B  80 – 89%
- C  70 – 79%
- D  60 – 69%
- F  below 60%

Grade Breakdown:
Midterm:  1 @ 200 points each = 200 points
Discussions:  Min. of 10 postings @ 10 points= 100 points
Homework:  5 chapters @ 40 points each = 200 points
Quizzes:  10 @10 points each= 100 points
Final:  1 @ 200 points  200 points
Total  800 points

Exams:  There will be a midterm.  You may take a paper exam or an online exam. Online exams are through Hawkes Learning Systems and may be repeated to improve the grade. Paper exams are downloaded and transmitted back to the instructor by the due date. Paper Exams may only be taken once, but the student may choose to improve the grade with an online exam.  There will be NO MAKEUP for missed exams.  The due date for the midterm is October 16.  Paper exams must be in my possession by that date.

The Course ID for the Online work is Math 126 Fall 2013.

Discussions:  You must provide at least 10 postings in the discussion board.  The postings must be substantive and not simply say, “I agree”.  You can either ask a question from our material or you can answer a question.  Your first posting should be an introduction about yourself.

Homework: You have two choices for homework in this class.  You can either do the Hawkes Learning System section certifications or you can do the homework assigned with each lesson in class.  Homework counts for a total of 200 points.  If you try the Hawkes and would prefer to go with traditional homework, you may do so.  If you do the traditional paper homework, you must fax, email, or mail your homework to me to be postmarked by the day of the exam.  I strongly encourage students to mail a copy of their homework in case it is lost in the mail.

Quizzes:  There will be 11 quizzes in Moodle.  The top 10 quizzes will count for the grade.

Final Exam:  There will be a Final Exam due on December 10, 2013.  It may be taken on paper or online.

Attendance:  Students are expected to participate and keep pace on a regular basis.  Students failing to keep pace or answer emails from the instructor for two or more weeks may be dropped from the course.  Any departure from the attendance policy must be pre-approved by September 1, 2013.
**Ethics Statement:** No cheating of any kind will be tolerated. Any student caught cheating, attempting to cheat or assisting in the cheating of another student will be expelled from the class with a failing grade.

**Note:** When attending the optional, non-mandatory live sessions, please be polite and mute your microphone when not speaking. Background noise and echoes are distracting and interfere with the meeting.

**Early Alert:** Please note that in an effort to help students successfully complete their courses, the Counseling office on campus will ask faculty for names of students they feel may be in need of additional assistance. A counselor may contact you to offer some ideas.

**Grade Appeals** can be made to Scott Morrison at: Scott.Morrison@wnc.edu

**Disability Statement:** If you have a disability for which you will need to request accommodations, please contact Susan Trist, Coordinator for Disability Support Services at 775-445-3268 or susan.trist@wnc.edu as soon as possible to arrange for appropriate accommodations.

**Important Dates:**
August 26: Classes begin. Classes dropped from this date on will receive a “W”.
August 30: Last day to receive a 100% refund.
September 2: Labor Day Holiday, college closed.
September 6: Full payment (100%) due by 5 p.m. for 100% of classes
October 18: Last day to change credit to audit or audit to credit.
October 25: Nevada Day Holiday, college closed.
October 28: Last day to drop fall classes with a "W".
November 11: Veterans Day Holiday Observed, college closed.
November 27-29: Thanksgiving Holiday, college closed.
December 9 – 13: Final Exam Week
<table>
<thead>
<tr>
<th>Week of</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>Aug 26</td>
<td>1.2/1.3/1.4</td>
<td>Weekly Meeting</td>
<td>Quiz 1</td>
<td>Available</td>
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<td>Sept 2</td>
<td>Labor Day</td>
<td>1.5/1.6/1.7/1.8</td>
<td>Weekly Meeting</td>
<td>Quiz 2</td>
<td>Ch 1 HW due</td>
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<td>No Class</td>
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<td>Sept 9</td>
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<td>Sept 16</td>
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<td>3.1/3.2/3.3/3.4</td>
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<td>Quiz 5 due</td>
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<td>Oct 7</td>
<td>Practice Midterm</td>
<td>Meeting over Practice</td>
<td>Midterm</td>
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<td>Midterm</td>
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<td>Nov 4</td>
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