Math 126 PreCalculus I
JumpStart Section 1402
T Th 11:00 AM – 12:15 PM
Pinon 205/206

Jeff Downs
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Office: Piñon F-1 (Fallon), Aspen 231 (Carson) or by appointment
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Office Hours:
M: 12:30 PM – 1:15 PM
T Th: 2:15 PM – 4:25 PM

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:
2. Textbook bundled with Hawkes Learning System SoftwareL 978-1-938891-31-1
3. Textbook Alone: 978-1-938891-30-4

**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
- **Homework:** 5 chapters @ 40 points each = 200 points
- **Quizzes:** 10 @20 points each= 200 points
- **Final:** 1 @200 points 200 points

**Total** 800 points

**Exams:** There will be a midterm covering chapters 1, 2, and 3. There will be NO MAKEUP for missed exams. The date for the midterm is October 14, 2014.

The Course ID for the Online work is **Math 126 Fall 2014 JumpStart 1402**.

**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 on December 9, 2014. The Final Exam covers chapters 4 and 5.

**Attendance:** Students are expected to attend all classes. If a class session is missed, it is the responsibility of the student to learn the material that was missed. Before attending a class session, students should have read and reviewed the material for that class session. Any departure from the attendance policy must be pre-approved by September 2, 2014.

**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:** Students are expected to be prepared and participate in class. If you have a cell phone or other electronic device, please turn it off or put it on silent. If you are disruptive or disrespectful in class, you will be asked to leave and your school notified. You are in a college class at a college campus, you are expected to behave appropriately.
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 25: Classes begin. Classes dropped from this date on will receive a “W”.
August 29: Last day to receive a 100% refund.
September 1: Labor Day Holiday, college closed.
September 5: Full payment (100%) due by 5 p.m. for 100% of classes
October 17: Last day to change credit to audit or audit to credit.
October 31: Nevada Day Holiday, college closed.
October 24: Last day to drop fall classes with a “W”.
November 11: Veterans Day Holiday Observed, college closed.
November 26-28: Thanksgiving Holiday, no classes.
December 8 – 12: Final Exam Week
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<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 25</td>
<td></td>
<td>1.2/1.3/1.4</td>
<td></td>
<td>1.5/1.6 Quiz 1 Available</td>
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<td>Sept 1</td>
<td>Labor Day No Class</td>
<td>1.7/1.8 Quiz 1 due</td>
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<td>2.1/2.2 Quiz 2 Available</td>
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<td>Sept 8</td>
<td>Quiz 2 due</td>
<td>2.2/2.3</td>
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<td>2.4/2.5 Quiz 3 Available</td>
<td>Ch 1 Online HW due</td>
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<td>Sept 15</td>
<td>Quiz 3 due</td>
<td>2.5/2.6</td>
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<td>3.1/3.2 Quiz 4 Available</td>
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<td>Sept 22</td>
<td>Quiz 4 due</td>
<td>3.2/3.3</td>
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<td>3.4 Quiz 5 Available</td>
<td>Ch 2 Online HW due</td>
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<td>Sept 29</td>
<td>Quiz 5 due</td>
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<td>3.6 Quiz 6 Available</td>
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<td>Oct 6</td>
<td>Quiz 6 due</td>
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<td>Practice Midterm</td>
<td>Ch 3 Online HW due</td>
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<td>Oct 13</td>
<td>Midterm</td>
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<td>Oct 20</td>
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<td>4.2</td>
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<td>4.3 Quiz 7 Available</td>
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<td>Oct 27</td>
<td>Quiz 7 due</td>
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<td>4.4/4.5 Quiz 8 Available</td>
<td>Nevada Day No Class</td>
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<td>Nov 3</td>
<td>Quiz 8 due</td>
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<td>5.1 Quiz 9 Available</td>
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<td>Nov 10</td>
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<td>Nov 17</td>
<td>Quiz 10 due</td>
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<td>5.4 Quiz 11 Available</td>
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<td>Nov 24</td>
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<td>Quiz 11 due</td>
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<td>Ch 5 Online HW due</td>
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<td>Dec 8</td>
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<td>Final Exam</td>
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