MATHEMATICS 126: Precalculus I (Section 1013)
Summer III Session
9:40 – 11:10 a.m. MoTuWeThFr CBC C231

Instructor: Dr. Robinette
Office: CDC 920 (Central Desert Complex building 9, room 920)
Office Hours: 11:15 a.m. – 12:30 p.m. MoTuTh
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Prerequisite: Grade of C or better in Math 096 at UNLV; or ACT, MA score at least 22; or SAT, MA score at least 520; or SA95, MA score 520; or MPL, FN score 18.

Text: Precalculus (A Custom Text for UNLV) (Sixth edition) by J. Stewart, L. Watson, and S. Watson (Topics from Chapters 1, 2, 3, 4, 10, and 12. See schedule for particular sections.)

Learning Objectives:
1. Find the equation of a line given its graph; 2. Identify domain restrictions of square root and rational functions; 3. Find the equation of a line given data (either two points, slope and one point, a point and a parallel line, a point and a perpendicular line, etc.); 4. Evaluate and graph a piecewise function; 5. Combine functions (multiplication, division, addition and subtraction and composition); 6. Identify whether a given function is odd, even or neither; 7. Operate on complex numbers (add, subtract, multiply, divide, find the conjugate); 8. Define and use the quadratic formula to find the roots of a quadratic equation; 9. Determine the characteristics of a quadratic function (axis of symmetry, roots, vertex, etc.); 10. Solve non-linear inequalities; 11. Determine what happens to a given polynomial as the independent variable tends to positive and negative infinity; 12. Find an inverse function of another, given function and its domain and range; 13. Find the domain and range of a log function; 14. Solve exponential equations with different bases by utilizing logs; 15. Find the equation involving half life or doubling time given context of model; 16. Solve a system of two linear equations and two unknowns

Notes: Note sheets are available from my website http://faculty.unlv.edu/robinette/robinette.html
Print your own copy before you come to class. We fill these out together in class. If you miss class, then you are expected to get the notes from one of your classmates. I will not provide notes for days you are absent.

Exams: There will be four exams, worth 100 points each. The dates of these exams are July 17, July 25, August 2, and August 10.

Calculators: Graphing calculators are not allowed during the exams. You are permitted; however, to use a scientific calculator.

Homework: The problems that you should work after each lecture are on the assignment list. These are from your textbook and should be completed prior to the next class period. Exam problems will be similar to homework problems.

Grading: There are a total of 400 points available in this course coming from your four exams. Final grades for the course are based on the following percentage scale:
A: [90, 100]    B: [78, 84]    C: [66, 72]    D: [50, 60]
B+: [84, 90]    C+: [72, 78]    D+: [60, 66]    F: [0, 50]
Grades of A-, B-, C-, and D- may be given in borderline cases, where class attendance and class participation will be determining factors.

Attendance: You are expected to attend class regularly. You are responsible for all the material presented and all announcements made on days you are absent. Get this information from your fellow classmates. I will not provide notes for days you are absent.
Additional Miscellaneous Policies

**Academic Misconduct** – Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution.

An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the Student Academic Misconduct Policy (approved December 9, 2005) located at: [http://studentconduct.unlv.edu/misconduct/policy.html](http://studentconduct.unlv.edu/misconduct/policy.html).

**Copyright** – The University requires all members of the University Community to familiarize themselves with and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you nor assume any responsibility for employee or student violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: [http://www.unlv.edu/provost/copyright](http://www.unlv.edu/provost/copyright).

**Disability Resource Center (DRC)** – The UNLV Disability Resource Center (SSC-A 143, [http://drc.unlv.edu/](http://drc.unlv.edu/), 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you.

If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor before or after class to discuss your accommodation needs.

**Religious Holidays Policy** – Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor no later than the end of the first two weeks of classes, January 30, 2015, of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: [http://catalog.unlv.edu/content.php?catoid=6&navoid=531](http://catalog.unlv.edu/content.php?catoid=6&navoid=531).

**Incomplete Grades** - The grade of I – Incomplete – can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

**Tutoring** – The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex (SSC). Students may learn more about tutoring services by calling 702-895-3177 or visiting the tutoring web site at: [http://academicsuccess.unlv.edu/tutoring/](http://academicsuccess.unlv.edu/tutoring/).

**UNLV Writing Center** – One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: [http://writingcenter.unlv.edu/](http://writingcenter.unlv.edu/)

**Rebelmail** – By policy, faculty and staff should e-mail students' Rebelmail accounts only. Rebelmail is UNLV's official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always @unlv.nevada.edu.

**Emailing within WebCampus is acceptable.**