MATHEMATICS 181: Calculus I (Section 1025)  
Fall 2016 Semester  
8:30 – 9:45 a.m. Tuesday & Thursday WRI C148

Instructor: Dr. Robinette  
Office: CDC 920 (Central Desert Complex building 9, room 920)  
Office Hours: 8:00 – 8:30 a.m. Tuesday & Thursday (HELD in our classroom) and 11:50 a.m. – 1:00 p.m. Tuesday & Thursday (HELD in my office)  
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Prerequisite: Grade of C or better in Precalculus (Math 127 or 128 at UNLV) or ACT score at least 28 or SAT score at least 630.


Learning Objectives:  1. Determine limits of a variety of functions including limits involving indeterminant forms, using L’Hospital’s Rule when appropriate; 2. Apply knowledge of limits (and their notation) in order to (a) determine, using the definition, whether a function is continuous at a point and (b) determine a derivative by definition; 3. Differentiate a variety of functions by (a) knowing formulas and using power, product, quotient, and chain rules and (b) using implicit differentiation; 4. Apply knowledge of derivatives to solve related rates problems, solve optimization problems, and find extrema of functions and sketch curves; 5. Evaluate definite and indefinite integrals including with use of the substitution rule; 6. Apply understanding of area and definite integrals to calculate the area of a region bounded by a function and the x-axis.

Calculators: Graphing calculators are not allowed during the quizzes, exams, or the final exam. You are permitted; however, to use a scientific calculator. One that has an \( \text{ANS} \) button will be useful during the section on Newton’s method.

Homework: The problems that you should work after each lecture are on the assignment list. These are from your textbook and should be completed in a manner that practices the steps and techniques we use in the notes for class. Problems on quizzes and exams will be similar to assigned homework problems. Homework will not be collected nor will it be graded.

Quizzes: Quizzes will be taken during your Friday discussion session. Each quiz is worth 15 points (5 points for each of three questions, where proper notation and clear logical steps are required to receive full credit on solutions). There are NO makeup quizzes under ANY circumstances. At the end of the semester, your top seven quiz scores will be added together for your quiz score, worth 105 points (5 points is considered extra credit). If you have any questions regarding the grading of a quiz, see me at an office hour and I will assess your work. At the end of the semester, if your quiz score is higher than one of your four exam scores, then it will replace your lowest exam score.

Exams: There will be four exams, worth 100 points each. Just like the quizzes, the exams will be taken during your discussion session. The dates of these exams are September 23, October 14, November 4, and December 2. Makeup exams are only allowed for a justified and excusable reason (see UNLV policy on Religious Holidays and Missed Classes) with verification and with Dr. Robinette’s approval. If you have any questions regarding the grading of an exam, see me at an office hour and I will assess your work.
Final Exam: The final exam, worth 200 points, is a comprehensive exam and will be given on Thursday, December 15, 2016, from 8:00 – 10:00 a.m. in our classroom WRI C148.

Grading: There are a total of 600 points available in this course coming from your final exam score (200) and your top FOUR scores (400) from the quiz score and the four exams. Final grades for the course are based on the following percentage scale:

- A: [90, 100]
- B+: [84, 90]
- B: [78, 84]
- C+: [72, 78]
- C: [66, 72]
- D+: [60, 66]
- D: [50, 60]
- 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. I will not repeat missed lessons. You are to obtain missed notes and missed announcements from one of your classmates.

Tutoring: Tutoring through the Department of Mathematical Sciences is available for this course at the Math Tutoring Clinic, located in CDC 701. For more information including location and hours visit their website www.unlv.edu/math/tutoring or call (702) 895-3567 or send an email to math@unlv.edu.

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: https://www.unlv.edu/studentconduct/student-conduct.

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.

Disability Resource Center (DRC)—The UNLV Disability Resource Center (SSC-A 143, 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 in front of others 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 within the first 14 calendar days of the course for fall and spring courses (excepting modular courses), or within the first 7 calendar days of the course for summer and modular courses, 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.

Transparency in Learning and Teaching—The University encourages application of the transparency method of constructing assignments for student success. Please see these two links for further information: https://www.unlv.edu/provost/teachingandlearning
https://www.unlv.edu/provost/transparency

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 for undergraduate courses. Graduate students receiving “I” grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. 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 anIncomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

Tutoring and Coaching—The Academic Success Center (ASC) provides tutoring, academic success coaching and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, visit http://www.unlv.edu/asc or call 702-895-3177. The ASC building is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of the SSC (ASC Coaching Spot). Drop-in tutoring is located on the second floor of the Lied Library and College of Engineering TEB second floor.

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.

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.

Final Examinations—The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule. See the schedule at: http://www.unlv.edu/Registrar/calendars.