Math 181 Sections 1201,1202,1203,1204,1205,1206: Calculus I
Fall Semester 2018

Lecture Time:  MW 2:30-3:45pm WRB 2030
Text:  
Single Variable Calculus, Early Transcendentals Eighth Edition
by James Stewart.
Instructor: Aleksey (Alex) Telyakovskiy
e-mail: alekseyt@unr.edu
Web page: http://wolfweb.unr.edu/homepage/alekseyt
Phone:  784-1364
Office:  DMS 322
Office Hours: MW 1:30-2:20pm or by appointment.

Recitations:
Richard Foote  Sec. 1201, TuTh 7:30-8:20 WRB 4050
Richard Foote  Sec. 1202, TuTh 8:30-9:20 WRB 4050
Richard Foote  Sec. 1203, TuTh 9:30-10:20 WRB 4050
Joseph Dominic  Sec. 1204, TuTh 2:30-3:20 AB 206
Joseph Dominic  Sec. 1205, TuTh 3:30-4:20 AB 206
Joseph Dominic  Sec. 1206, TuTh 4:30-5:20 AB 206

Attendance at the recitations is mandatory.

TAs Office Hours and Contact Information:
Richard Foote  
e-mail: foote@nevada.unr.edu
Office Hours: Tu 2:00-3:00pm; F 1:00-3:00pm at LLC 147F
Joseph Dominic  
e-mail: jdominic@nevada.unr.edu
Office Hours: M 11:30-12:30; F 12:30-2:30pm at MS-104C-1

Prerequisites: The prerequisite for this class is a C- or better in Math 127 or Math 128, an
ACT Math score of 28, SAT Math score of 630, or an Accuplacer College Level Math score of 90.
The content and skills covered in Math 126 and Math 127 (college algebra and trigonometry) will
be required for you to be successful in this class. Some review material is provided in the
textbook, in Chapter 1. Other resources are the Math Center tutors, numerous resources online,
and office hours (mine and your teaching assistant’s).

This course satisfies the university core mathematics requirement, and meets the
Core Objective CO2. Quantitative Reasoning. Brief description of learning objective: Students
will be able to apply quantitative reasoning and mathematical methodologies to understand and
solve problems.

STUDENT LEARNING OUTCOMES:
Upon completion of this course, students will be able to:

• Demonstrate an understanding of concepts and terminology of limits through applications
  and examples;

• Compute the derivative of a function using the definition, rules of differentiation, slopes of
tangent lines, and describe it as a rate of change in number of natural and physical
phenomena;

• Compute basic integrals using Riemann sums as well as the Fundamental Theorem of
Calculus.

Topics: Topics will be taken from Chapters 1, 2, 3, 4, & 5 of Stewart’s book.
Tangents and velocity, Limits and continuity of a function, Limits at infinity, Derivative and rate of change of different function type, All differentiation rules along with implicit differentiation, Exponential growth and decay, Related rates and Linear approximation and differentials. The Mean Value Theorem, L’Hospital’s rule, Curve sketching, Optimization, Antiderivatives, Area and distance, Sigma notation, Definite integral, The Fundamental Theorem of Calculus, Indefinite integral and the substitution rule for integrals.

Grading Policies:

**Quizzes:** 10%
There will be one weekly quiz. Quiz questions will be similar to homework questions. There will be no make-up quizzes. The lowest 2 scores will not count toward the final grade.

**HW:** 15%
For homework we will use WebAssign online product. To access it on [http://www.webassign.net/](http://www.webassign.net/) you need course ID “unr 8947 9855”. All homework assignments must be completed online. Please note that the start date and due dates are posted in WebAssign. You have 3 tries for each question. If you are looking to get a good grade in this class, you must stay up with your homework by starting early in the week and not on the due days.

**Exams:** 54%
There will be 3 mid-term exams. Topics and dates for each exam will be announced in class a week advance. You must bring a picture ID to the exams.

Any student requiring accommodations through the DRC must schedule their exams on the same day as in the class exams.

**Final Exam:** 21%
Final exam is a cumulative exam to be given during the finals week on Wed Dec 19, 12:10-2:10pm at WRB 2030.

**Grading scale:** Grade “C” corresponds to 68%, there will be no “C−” grade. All other pluses/minuses will be used in grade assignment.

**Exams:** The (tentative) schedule of the exams is:
- Exam 1: September 26, Wed
- Exam 2: October 24, Wed
- Exam 3: November 28, Wed
- Final Exam: Dec 19, Wed, 12:10-2:10pm

All exams will be held in WRB 2030.

No laptops or wireless devices of any kind are allowed during quizzes and exams.

No calculators are allowed on quizzes/exams.

No pages/notes with formulas/examples are allowed during quizzes/exams.

Later during the semester we will fix the dates for mid-term exams.

**Test Make-Up Policy:** Make-ups or early exams are not permitted. If you must miss an exam because of a valid documented emergency or an official university function that conflicts with an exam date, then the absences are managed according to University Administrative Manual (UAM) 3,020.

**Note:** Please be polite and turn off all the cell phones, music players and pagers before class. They are very distracting for everybody.

**Text info:** The text is *Single Variable Calculus, Early Transcendentals* Eighth Edition, by James Stewart. You have two options:
(a) Purchase an online access code, either online at [http://www.webassign.net/](http://www.webassign.net/) or at the bookstore; the online access code provides access to the online homework system and online access to the text.
(b) Purchase a bundle from the bookstore which contains the online access code in (a) as well as a paper copy of the book.

If you took Math 181 here last semester you may already have an account and online access (but you must still sign up for the class). If not, you may purchase access at the bookstore (the multiple semester option is the cheapest if you intend to take Math 283).
Technology: We may use MAPLE for visualization purposes, MAPLE is available on computers in the Math Center and at the university computer labs.

Email communication: Emails will be answered within 24 hours.

Academic Success Services: Your student fees cover usage of the Math Center (784-4433 or http://www.unr.edu/mathcenter/), Tutoring Center (784-6801 or http://www.unr.edu/tutoring/), and University Writing Center (784-6030 or http://www.unr.edu/writing_center). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student.

Disability Statement: Any student with a disability needing academic adjustments or accommodations is requested to speak with the Disability Resource Center (Pennington Student Achievement Center, Suite 230) as soon as possible to arrange for appropriate accommodations. I encourage such students to meet with me at their earliest convenience to ensure timely and appropriate accommodations.

Academic Dishonesty: “Cheating, plagiarism or otherwise obtaining grades under false pretenses” constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student’s enrollment without a grade, giving an F for the course or for the assignment. The University Academic Standards Policy defines academic dishonesty, and mandates specific sanctions for violations. See the University Academic Standards policy: University Administrative Manual (UAM) 6,502.

Diversity Statement: The University of Nevada, Reno is committed to providing a safe learning and work environment for all. If you believe you have experienced discrimination, sexual harassment, sexual assault, domestic/dating violence, or stalking, whether on or off campus, or need information related to immigration concerns, please contact the University’s Equal Opportunity & Title IX Office at 775-784-1547. Resources and interim measures are available to assist you. For more information, please visit: http://www.unr.edu/equal-opportunity-title-ix.

Suggestions for success: Attend all lectures and discussions. You are responsible for all material covered in class, as well as announcements and quizzes. If you miss a class, get a copy of someone’s notes.

Do not fall behind. In this class, you will not be successful if you take it easy for a week or two and then try to catch up in a flurry of activity.

Try to study with others in small groups. This is a great way to learn. You will benefit a great deal from discussing the material with others, as well as working the problems. Just be sure that you are ultimately able to work the problems on your own, since this is what the exams will measure.

Surveillance of lectures: Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

P.S. The information listed here is subject to change. If any change takes place it will be announced in class.