MATH 180 : ELEMENTS OF CALCULUS I
Section 501 (M/W 12:00 - 1:15), CRN 22955, A129
Fall 2018

Instructor: Ian Burch
E-Mail: ianburch@unm.edu
Office and Hours: A123   M/T/W/Th 10:00 - 11:00
                       A123   M/W 1:30 - 2:30
              Stem Center T/Th - 12:00 - 1:00

Course Goals
A deep understanding of derivatives, their meanings, graphs, and interpretations. Use of derivatives for optimization and related rates problems in real-world situations. Interpretation of graphs as rates of change. Basic techniques of integration and its uses, including the Fundamental Theorem of Calculus.

Materials:
- MathLab course code: **burch76747**, Pearson website access code (student purchase, with text or via the site.
- (optional) Lial, Greenwell, & Ritchey, *Calculus with Applications, 11th Edition*
- Scientific or Graphing calculator
- Folder

Expectations: Students are expected to conduct themselves in a professional and collegial manner. Please refrain from using cell phones during class unless approved in advance by instructor. Absences may be excused only with a documented reason, preferably given in advance. Students with more than 4 absences may be dropped from the course

Disability Statement: If you have a documented disability, please provide me with a copy of your letter from Equal Access Services as soon as possible to ensure that accommodations are provided in a timely manner. If you feel you need accommodations but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910 or jmlujan@unm.edu

Academic Honesty: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests or assignments, claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or   professional qualifications within or outside the University.

Title IX : In an effort to meet obligations under Title IX, UNM faculty, Teaching   Assistants (TA), and Graduate Assistants (GA) are considered responsible employees. This designation requires that any report made to a faculty member, TA, or GA regarding sexual misconduct or gender discrimination must be reported to the Office of Equal Opportunity and the Title IX Coordinator. For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html

Late Work :
Homework past the due date will not be accepted without an emailed or written request prior to the deadline.

Grade Breakdown

Final Exam	25%
Midterm Exam	20%
MML Homework	20%
Worksheets / Projects	15%
Weekly Quizzes	15%
Attendance	5%

Letter grades will be given as follows, with + or - given for the highest and lowest 3% in each range, respectively. Incomplete (I) grades will not be assigned without extenuating, documented circumstances

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
0% - 59%	F

Tentative Schedule :

Week 1: Limits & Difference Quotients	Week 9: Optimization
Week 2: Derivative	Week 10: Optimization
Week 3: Advanced Derivatives	Week 11: Related Rates
Week 4: Advanced Derivatives	Week 12: TBD
Week 5: Graphing	Week 13 :TBD
Week 6: General Applications	Week 14: Integration
Week 7: Economic Applications	Week 15: Integration
Week 8: Review & Midterm (Oct 10th)	Week 16: Finals