MATH 150 : PRECALCULUS
Section 501 (T/Th 3:00- 4:15), CRN 22953
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
Understanding of a variety of functions, their graphs, and properties. Deep understanding of
function notation, conic sections, interpreting graphs, properties such as continuity and
symmetry, and an introduction to differentiation and instantaneous slope. Ability to apply all of
the above knowledge to real-world applications.

Materials:
- Larson, *Precalculus, 10th 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 Exams: 20%
- Homework: 20%
- Projects: 15%
- Quizzes: 15%
- Attendance: 5%

Letter grades will be given as follows, with + or - given for the highest and lowest 3% in each range, respectively.
- 90% - 100% A
- 80% - 89% B
- 70% - 79% C
- 60% - 69% D
- 0% - 59% F

Earning a 70% or above in the course is a condition for passing, although some subsequent courses may require a C (73%) or above in this course in order to qualify.

**Tentative Schedule :**

- Week 1: Functions
- Week 2: Inverses
- Week 3: Polynomials
- Week 4: Rational Functions (1)
- Week 5: Rational Functions (2)
- Week 6: Inequalities
- Week 7: Linear Programming
- Week 8: Review & Midterm
- Week 9: Exponents & Logarithms
- Week 10: Exponential Applications
- Week 11: Population Modelling
- Week 12: TBD
- Week 13: TBD
- Week 14: Conic Sections
- Week 15: Conic Sections
- Week 16: Review & Final