

# MATH 150 : PRECALCULUS

Section 501 (M/W 3:00- 4:15), CRN 35403  
Spring 2019

**Instructor:** Ian Burch

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**Office and Hours:** A123 M/T/W/Th 8:30 - 9:00  
A123 T/Th 10:30 - 11:45  
Stem Center M/W - 12:00 - 1:30

## 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](mailto: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	30%
Midterm Exam	25%
Homework	25%
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.

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 13: Conic Sections
Week 2: Inverses	Week 14: Partial Fractions
Week 3: Polynomials (HW c	Week 15: Sequences & Series
Week 4: Rational Functions (1)	Week 16: Review & Final
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: Conic Sections