

SYLLABUS
Math 193 506: Critical Thinking for Math
Fall 2017

Instructor: Alice Lawson

Office Hours: Tuesday and Thursday 12:15 PM – 1:15 PM

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I. Course Description: Math 193: Critical Thinking for Math (2 credits) will develop strategies for successful achievement in mathematics including developing academic skills as a foundation for college learning, employing critical thinking skills in problem solving, utilizing multiple problem-solving strategies & methods, developing a mathematical awareness of the world and expanding confidence in mathematical ability that will be valuable throughout a college career. Placement: All Math 100 students are required to attend Math 193. Co-requisite: Math 100. **Class meets on Tuesdays and Thursdays in room C108 from 11:00 AM to 11:50 AM.**

II. Course Materials: Math 193 Booklet & Handouts.

III. Attendance Policy: Students are expected to attend regularly and to be on time. Two unexcused absences in the first 2 weeks or three total unexcused absences are considered excessive and the student may be dropped from the class at the discretion of the instructor. If you are dropped from Math 193, you will be dropped from Math 100 as well. The student must be on time and remain for the entire class session, have the necessary course materials on hand and participate in class to receive full credit for attendance & participation each day. If absent, the student must see the instructor in person, contact her by email or leave a message within 24 hours to change an unexcused absence to an excused absence. Since nearly all of the Math 193 work will be completed in class, each absence will reduce the attendance and participation grade.

Your attendance grade is calculated as follows:

1st unexcused absence will drop your attendance grade to 90%

2nd unexcused absence will drop your attendance grade to 80%

3rd unexcused absence will result in you being dropped from the class

IV. Grading Policy:

A+ 98% + , A 93 – 97% , A- 90 – 92% , B+ 88 – 89% , B 83 – 87% , B- 80 – 82% , C+ 78 – 79% , C 73 – 77% , C- 70 – 72% , D 60 – 69% , F below 60%

The graded categories are roughly described below:

Attendance & Participation 50% **Portfolio 50%**

The Portfolio as described below will serve as a final exam.

Portfolio Requirements: Portfolios are due the last day of class the week before finals week. No late portfolios will be accepted.

More details are given in Math 193 Booklet.

Portfolio Requirements are:

- Cover Letter
- Five Problem Solving Write-Ups
- Notes from Math 100 – One Topic and One Set of Study Materials for Math 100 Final Exam
- Error Analysis for one Math 100 Test or Quiz
- Use of Mathematics in your life 500 Word Essay

All portfolios are due the last class day the week before final exams. No late portfolios will be accepted.

V. Math 193 Problem Solving Exercises. The work on word problems and related write-ups will be stored in a three ring binder or spiral notebook.

VI. Support Services: The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audiotapes and videotapes are available for student use through both the library and the Student Enrichment Center. Please call 925-8907 for an appointment. Students who miss tutoring appointments may be denied future appointments

VII. Expectations: Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be turned off or in silent mode and out of student's sight (pocket or backpack). Please step into the hall if you need to take a call during class. Any disruption of a class caused by a cell phone will result in recorded absence (the student will be asked to leave the class at once) this includes texting and receiving text messages.

VIII. Disability Statement: Students with Disabilities and Special Learning Needs: Student Services provides a number of services for students with documented special needs. The Equal Access Office number is 925-8510. 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 your accommodations are provided in a timely manner.

IX. TITLE IX: In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants 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/universitypolicies/2000/2740.html>

UNM'S POLICY ON 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.

X. Major Students Learning Outcomes: At the conclusion of the course, students will be able to

- develop academic skills as a foundation for college learning
- employ critical thinking skills in problem solving
- utilize multiple problem-solving strategies & methods
- develop a mathematical awareness of the world
- expand confidence in mathematical ability