

MATH 193: Topics in Mathematics: Critical Thinking for Mathematics, Fall 2017

Instructor: Dr. Ariel Ramirez

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OFFICE HOURS: Monday/Wednesday 10am – 11:15am; Tuesday/Thursday 1pm – 2:15pm in the Math Center

MATH 193.501				
CRN	Class Time	Meeting Days	Location	
53628	3:30 pm – 4:20 pm	M/W	VBT 120	

MATH 193 COURSE DESCRIPTION: Critical Thinking for Math (2 credits) will help students develop and implement strategies for successful achievement in mathematics throughout their college career and beyond. Placement: Math 193 is required of all students who place into Math 021. **Co-requisite:** Math 021/022.

Math 193 COURSE STUDENT LEARNING OUTCOMES:

Upon successful completion 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 and methods.
- Develop a mathematical awareness of the world.
- Expand confidence in mathematical ability.

COURSE MATERIALS:

- **Text:** *Math 193 Critical Thinking, Problem Solving, and Math Study Skills* (Booklet& Handouts Revised: December 2016). This is available at the UNM-VC Bookstore.
- **3-Ring binder (1-1/2 inch) 9 divider tabs, spiral (optional), notebook paper, graph paper, pencil.** (Binder will be shared with Math 021/022 course).

ATTENDANCE POLICY:

You are expected to be on time to each class and stay the entire class, have the necessary course materials on hand, and participate in the lecture and/or group activities to receive full credit for attendance each day.

- If you miss 2 classes in the first two weeks, or 3 total class periods, you will be dropped from the class.
- **If you are dropped from Math 193, you will be dropped from Math 021/022 as well.**
- You will be marked absent if you are late, or if you are disruptive to the learning environment.
- If absent, the student must email the instructor. The student bears full responsibility for the material and procedural information covered in class.
- Class participation includes grades earned on weekly activities.

BINDER

- A Binder organization chart is included in this syllabus.

PORTFOLIO

- An organization chart for the Portfolio will be made available to you during the second week.

GRADING SCALE: Grades for this course will be assigned as follows:

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

Attendance& Class Participation*	40%
Binder Organization	10%
Portfolio**	50%

*Students are required to bring their Math 021-022/193 binders and text to every class.

**** Completed portfolio serves as the Final Exam for this course. *All portfolios are due by Wednesday, December 6th, 2017 by 3:30pm. LATE PORTFOLIOS WILL NOT BE ACCEPTED.***

IMPORTANT DATES:

Last date to drop without a grade: Friday, September 8, 2017

Labor Day: Monday, September 4, 2017

Fall Break: October 12-13, 2017

Thanksgiving: November 23-24, 2017

Last date to drop without approval of Director of Student Affairs: Friday, November 10, 2017

Last date to turn in Portfolio: **Wednesday, December 6th, 2017 by 3:30pm.**

SUPPORT SERVICES: Math Center tutors are available in the Learning Commons M-Th from 8 to 6, and Fridays 8 to 1 (925-8907). There are also open computer labs on campus for students' use. The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials.

CONDUCT EXPECTATIONS: Students are expected to conduct themselves in a polite, courteous, professional, and collegial manner.

- Cell phones must be set on silent. Please step into the hall if you need to take a call during class.
- ABSOLUTELY NO FOOD is allowed in the computer labs. Drinks are only allowed if they are in sealed containers with tightly fitting lids that will not spill.

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/universypolicies/2000/2740.html>

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. The Equal Access Office can be reached at 925-8510.

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.

Binder Requirements
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Tab 1-5 assigned in Math 021/022

Additional Tabs for Math 193

Tab 6: Syllabus Math 193/References

- Math 193 Syllabus

Tab 7: Notes/Handouts

- Learning Styles
- Math myths
- Preparing for math test
- Glossary
- Etc.

Tab 8: Problem of the Day

- Critical thinking problems
- Group-work
- Word Problems

Tab 9: Video Evaluation Forms

- At least three (3) evaluation forms of math videos- dated and in chronological order. **Due in class Monday, December 4th.**