

## MATH 193: Topics in Mathematics: Critical Thinking for Mathematics, Fall 2018

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**Instructor:** Cindi Goodman

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**Office:** Adjunct Faculty Offices (Academics)

**Phone:** 925-8600

**OFFICE HOURS:** Mondays and Wednesdays

Academics Office 8:00-8:45 AM

Math Center LRC 12:00-1:00 PM and 3:00-5:00 PM

Section	Class Time	Meeting Days	Meeting Location	CRN Number
503	9:00am – 9:50pm	M/W	C-108	62380

**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 021/100. **Co-requisite:** Math 021/022 or Math 100.

### 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:

- **3-Ring binder (1-1/2 inch) 6 divider tabs, spiral (optional), notebook paper, graph paper, pencil. (Binder will be shared with Math 021/022/100 course).**

### ATTENDANCE/PARTICIPATION:

- 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 group activities to receive full credit for attendance each day.

**Absences:** I do not require you to give me any sort of documentation for missing up to 3 class days. Even if you miss class, you are still expected to complete **all** the in-class assignments.

Here are the reasons I may drop you from the class:

- If you miss the first week of the semester.
- 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.**

If you added late, your counted absences start the day you registered for the class.

- **EXPECTATIONS:** Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. **Cell phones must be set on silent and be out of sight during class. No food or drink is allowed in the computer labs.**

**Participation:** Participation includes

- *Attendance.* Show up to class!
- *In-Class Activities.* Each Unit in Math 021/022/100 will have an associated activity in this class. These activities need to be completed in class. If you do not finish the activity, it will be collected and you may complete it next time we meet. If you successfully complete the in-class assignment, you may begin the next assignment.
- *Questions.* Bring your questions from the homework. My job is to help you learn the material, I cannot do that unless I know where you are misunderstanding or “not getting it.”

In-class activities are worth 25 points each for a total of 350 points. Participation receives 2 points for each day you do the things listed above and is worth a total of 50 points.

**SUPPORT:** If you are struggling in this course, do not be afraid to ask for help!

- **Office Hours:** See my office hours listed at the beginning of this syllabus. Feel free to come by or log in for online office hours or make an appointment to get help.
- **Form study groups:** You may work together with other members of our class.
- **Free Tutoring:** The Math Center at Valencia campus has free tutoring and open labs. Call 505-925-8907 for more information. CAPS on main campus also provides tutoring for which I can get documentation.
- **Student Services:** There are various services provided in our Student Services Department. See below about equal access. Also, we have a testing center, advising, and career placement available: [Valencia Student Services](#)

#### **OTHER IMPORTANT INFORMATION:**

**Equal Access:** 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. It is up to you to obtain documentation of a disability. If you are a Valencia campus student, contact Equal Access Services at Valencia Campus, Jeanne Lujan at (505)925-8910 or [Valencia Student Services](#). If you are a main campus student you can receive documentation from the main campus Accessibility Resource Center. I will not guarantee accommodation without the appropriate documentation.

**Collegial Behavior:** Since I assume you are all adults, I will expect from you respectful adult behavior. Engaging in disruptive or unruly behavior could result in your being asked to leave, at which time you will be counted absent and a referral will be sent to the Associate Dean of Student Services. Continuing to behave in this way could result in your being dropped from the course. Disruptive or unruly behavior includes but is not limited to:

- texting or talking on your cell phone at any time during class,
- continually talking with your neighbor when we are not working on a group activity,
- working on homework from another class,
- reading material or watching media on a mobile device not related to this course or at a time that is inappropriate,
- refusing to participate in the class activities.

### Plagiarism and Not Doing Your Own Work

It's a bad idea to [plagiarize](#) or to have other people do your work for you. Refer to the UNM Student Handbook (The Pathfinder) for UNM's policy on [Academic Dishonesty](#).

**Title IX Statement:** In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see pg. 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity ([oeo.unm.edu](http://oeo.unm.edu)). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

### COURSE AVERAGES:

Attendance	300 points
Class Participation/In-Class Activities	400 points
Portfolio-Binder	300 points
<b>Total</b>	<b>1000 points</b>

Letter Grade	Overall Course Score
A	90% or better
B	80% to 89%
C	70% to 79%
CR	70% or better
NC	Less than 70%

### Important Semester Dates: (by 5 PM on date listed)

Last Day to Add	Friday, August 31
Labor Day	Monday, September 3
Last Day to Drop w/out a grade	Friday, September 7
Fall Break	Thursday and Friday, October 11 and 12
Last Day to Drop w/out Dean's Permission	Friday, November 9
Thanksgiving Break	Thursday and Friday, November 22 and 23
Last Day to Drop with Dean's Permission	Friday, December 7
Portfolio Due	Wednesday, November 28

## Portfolio-Binder Requirements

1. Cover Letter
2. Essay
3. Pre-Math and Post-Math Anxiety Survey
4. Course Syllabus
5. Guided Notes/Lectures Notes from any Unit in Math 021/022 or Math 100
6. Formula sheet

### Math 193: Topics in Mathematics (Fall 2018)

*Course Outline (subject to change as needed)*

Week	Day	Sections / Topics / Assignments
1	8/20 M 8/22 W	Introduction, Number Talks Video, Ways to multiply, and Mindset Learning Style Inventory assigned <i>Unit 1 – In-class Assignment</i>
2	8/27 M 8/29 W	Learning Style results, Making Mistakes, Pre-Course Math Anxiety, and Math Anxiety <i>Unit 2 – In-class Assignment</i>
	8/31 F	<b>Last day to add a course (5pm)</b>
3	9/3 M 9/5 W	<b>Labor Day (No Class)</b> <i>Unit 3 – In-class Assignment</i>
	9/7 F	<b>Last day to drop a course without a grade (5pm)</b>
4	9/10 M 9/12 W	Math Anxiety Part II, Math Myths, Ways of reducing anxiety, and Taking Notes <i>Unit 4 – In-class Assignment</i>
5	9/17 M 9/19 W	Study Skills, Test Taking Strategies, and Critical Thinking Skills <i>Unit 5 – In-class Assignment</i>
6	9/24 M 9/26 W	<i>Unit 6 – In-class Assignment</i> <i>Unit 6 – In-class Assignment</i>
7	10/1 M 10/3 W	Work on Class Project and <i>Unit 7 – In-class Assignment</i> <i>Unit 7 – In-class Assignment</i>
8	10/8 M 10/10 W	<b>Review</b> <b>Review</b>
		<b>10/11 – 10/14 Fall Break</b>

9	10/15 M 10/17 W	<i>Unit 8 – In-class Assignment</i> <i>Unit 8 – In-class Assignment</i>
10	10/22 M 10/24 W	<i>Unit 9 – In-class Assignment</i> <i>Unit 9 – In-class Assignment</i>
11	10/29 M 10/31 W	<i>Unit 10 – In-class Assignment</i> <i>Unit 10 – In-class Assignment</i>
12	11/5 M 11/7 W	<i>Unit 11 – In-class Assignment</i> <i>Unit 11 – In-class Assignment</i>
13	11/12 M 11/14 W	<i>Unit 12 – In-class Assignment</i> <i>Unit 12 – In-class Assignment</i>
14	11/19 M 11/21 W	<i>Unit 13 – In-class Assignment</i> <i>Unit 13 – In-class Assignment</i> <b>Course Math Anxiety Survey</b> <b>Portfolio Essay Due</b>
15	11/26 M 11/28 W	<i>Unit 14 – In-class Assignment</i> <i>Unit 14 – In-class Assignment</i> <b>Portfolio Due</b>
16	12/3 M 12/5 W	<b><i>Review</i></b> <b><i>Review</i></b>
17	12/10	<b>Final Exam Week</b>