MATH193: Critical Thinking for Math

Instructor: Michelle Godfrey   **Email: shosho@unm.edu**

Office: Adjunct Faculty Office (Academics Bldg)   **Phone**: 925-8630

CRN/Section	Class Time	Meeting Days	Classroom
53634/503	11:00am -11:50am	Tuesday and Thursday	H111

OFFICE HOURS: Tues and Thurs—12:30 pm to 2:00 pm

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.**

COURSE STUDENT LEARNING OUTCOMES:

Upon successful completion of the course, students will be able to:

1. Develop academic skills as a foundation for college learning.
2. Employ critical thinking skills in problem solving.
3. Utilize multiple problem-solving strategies and methods.
4. Develop a mathematical awareness of the world.
5. 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).**
- **Folder with 5 brads – to be used for Portfolio.**

GRADING SCALE:

A+	98% and above	C+	78 – 79%
A	93 – 97%	C	73 – 77%
A -	90 – 92%	NC	< 73
B+	88 – 89%		
B	83 – 87%		
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 Thursday, December 7, 2017 by 2 p.m. Absolutely NO late portfolios will be accepted._

COURSE COMPONENTS:

1. **Attendance & Class Participation (40%):**
   - You are expected to be <u>on time</u> to each class and stay the <u>entire</u> 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 the weekly activities.
2. **Binder**
   - A Binder organization chart is included in this syllabus
3. **Portfolio**
   - An organization chart for the Portfolio will be made available to you by the beginning of the second week

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 23-26
Last date to drop without approval of Director of Student Affairs: Friday, November 10, 2017
Last date to turn in Portfolio: **Thursday, December 9, 2017 BY 4 p.m.**

SUPPORT SERVICES: Learning Commons tutors are available Monday through Thursday from 8 to 7, and Fridays from 8 to 2 (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.
I will also be available in the Math Center Mon-Thur for help.

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 in higher level emergency cases. <u>Cell phones must be turned off and out of sight during class</u>. No food or drink is allowed in the computer labs.

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 GENDER DISCRIMINATION: 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 p 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). For more information on the campus policy regarding sexual misconduct, see:https://policy.unm.edu/university-policy.unm.edu/university-policies/2---/2740.html.

UNM'S POLICY ON ACADEMIC DISHONESTY: 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
Math 193 – Fall 2017

Tab 1-5 assigned in Math 021/022

Additional Tabs for Math 193

Tab 5: **Syllabus Math 193/References**
- Math 193 Syllabus

Tab 6: **Notes/Handouts**
- Learning Styles
- 12 myths
- Preparing for math test
- Glossary
- Prime numbers
- Etc….

Tab 7: **Problem of the Day**
- Critical thinking problems
- Group-work
- Word Problems

Tab 8: **Video Evaluation Forms**
- At least three (3) evaluation forms of math videos- dated and in chronological order

Due In Class Tuesday, December 6th.