MATH 193: Critical Thinking for Math

Instructor: Sarah Garde   **Email: sgarde@unm.edu**
Office: LRC-172   **Phone**: 925-8907

Section	Class Time	Meeting Days	Classroom
505	3:30 PM – 4:20 PM	Tue, Thu	A-141/H-105

OFFICE HOURS: Monday through Thursday 8 - 8:45 AM, Thursday 2:30 – 3:15 PM or by appointment

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 2014). This is available at the UNM-VC Bookstore.
- **3-Ring binder (1-1/2 inch) 10 divider tabs, spiral (optional), notebook paper, graph paper, pencil, eraser, and dry erase marker. (Binder will be shared with Math 021/022 course. Binder organization will be detailed below.)**
- **Folder with 3 brads – to be used for Portfolio.**

GRADING SCALE:

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 Tuesday, December 1, 2015 at 4 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.**
   - The attendance sheet will only be available BEFORE class begins at 3:30 p.m. 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 Organization (10%):

Section	Description
1	Syllabus/Reference for Math021-022
2	POD/Class notes, dated, chronologically ordered
3	Detailed and orderly work for ALEKS, dated and labeled by category/topic, chronologically ordered
4	Weekly Reports
5	Assessments: Tests/Error Analysis/Practice Tests/ALEKS Assessments
6	Syllabus for Math 193/Tutoring Evidence
7	Problems of the Day/Notes: Problems must be copied or described completely and dated.
8	Math 193 Weekly Problem Solving Activities: Problem of the Week, the work on the problem and related write-ups will be filed in this section. Problems must be copied or described completely and dated.
9	Math 193 Video Evaluation Forms: File the forms used to record the required information about the Video and your evaluation of it. Write-ups must be dated.
10	Math 193 Math Write-Up Forms: File the forms used to analyze the required information about the Problem Solving Process.

Math021/022 — Sections 1–5
Math 193 — Sections 6–10

3. Portfolio Requirements: (50%)

More details will be given as needed and as the semester progresses, but essentially the Portfolio Requirements include (but are not limited to):
1. Cover Letter (A detailed explanation about this item is in your booklet.)
2. Three (3) Required Math Write-Ups (Problems will be distributed later. The Write-Up Forms are in your booklet. Blank ones will also be posted in UNM Learn.)
3. Notes from Math 100 (Include Math 100 notes taken in-class or during ALEKS work.)
4. Set of study materials for at least one Math 100 Exam.
5. Item Error Analysis for Mid-Term Exam.
6. Evidence of use of outside resources for help in mathematics (tutoring slips, etc.)
7. Time Tracking document and an evaluation of the total amount of time spent on Math 100 outside of class (ALEKS and other study times.)
8. Typed Math Essay (500 word essay on anticipated career and its math applications. Rubric to be provided at a future date.)

*Many of these items will be pulled from your binder at the end of the semester, so be sure to provide QUALITY WORK during the semester so that you do not have to re-do work prior to entering evidence in your portfolio. **REMEMBER: Your Portfolio is 50% of your grade and counts as your Final Exam, so be aware of this as you complete assignments.***

IMPORTANT DATES:

    Last date to drop without a grade: Friday, September 4, 2015
    Labor Day Holiday: Monday, September 7, 2015
    Fall Break: Thursday and Friday, October 8 & 9, 2015
    Last date to drop without approval of Director of Student Affairs: Friday, November 6, 2015
    Last date to turn in Portfolio: **Tuesday, December 1, 2015 BY 4 p.m.**

SUPPORT SERVICES: Highway to Success tutors are available Monday through Thursday from 8 to 5, and Fridays from 8 to 2 (925-8907). The online tutor, Ryan Baltunis, can be reached at 925-8553 or found in LRC 118. 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.

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 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.