MATH 193: Critical Thinking for Math

Instructor: Sherry Stahlhut   **Email: ssstahlhut@unm.edu**

Office: A-103   **Phone**: 925-8600

Section/Group	Class Time	Meeting Days	Classroom
501	11:00am – 11:50	Mon & Wed	**H-111**

Office Hours: Wednesday 12:00pm – 12:30pm

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 21. **Co-requisite: Math 21.**

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 2013). Get it only from UNM-VC Bookstore.
- **3-Ring binder (2-inch), 10 divider tabs, spiral (optional), notebook paper, pencil, and eraser. (Binder will be shared with Math 21 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*	**35%**
Binder Organization	**15%**
Portfolio**	**50%**

*Students are required to bring their Math 100/193 binders and text to every class.
** Completed portfolio serves as the Final Exam for this course. _All portfolios are due by Monday, December 7, 2015. Absolutely NO late portfolios will be accepted._

COURSE COMPONENTS:
1. **Attendance & Class Participation (35%):**
   - 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 may be dropped from the class.
   - **If you are dropped from Math 193, you will be dropped from Math 21 as well.**
   - The attendance sheet will only be available the FIRST TIVE MINUTES of class. You will be marked absent if you are five or more minutes late, viewing or using a cell phone, viewing any

Internet content during class (unless directed by instructor), or if you are disruptive to the learning environment.

- Each absence will reduce the attendance grade by 10%. If absent, the student must email the instructor, then see the instructor IN PERSON during office hours or by appointment to discuss absence. The student bears full responsibility for the material and procedural information covered in class.

2. **Binder Organization (15%):**

Section	Description
1	Syllabus for Math 21/22
2	References (Time Schedule, Plan of Course Completion, Prime Number Chart, etc.)
3	Notes from Math 21/22 class, dated and organized - Aleks
4	Aleks – Weekly chart of topics completed
5	Math 21/22 and 193 Quizzes, Tests, and Practice Test
6	Syllabus for Math 193/Tutoring Evidence
7	Notes from Math 193 class, dated and organized
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	Evidence or handout for math 193 (scavenger hunt, tutoring, etc.)
10	Typed Essay

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. Syllabus for Math 21/22
3. Reference sheets
4. One Unit's Worth of Notes for Aleks
5. Aleks - Weekly chart of topics for math 21/22 - Completed
6. Math 21/22 and 193 Quizzes, Tests, and Practice Test
7. Syllabus/Notes for Math 193
8. Seven (7) 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.)
9. Evidence of use of outside resources for help in mathematics (tutoring slips, etc.)
10. 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:
Labor Day (No classes): Monday September 7, 2015
Last date to drop without a grade: Friday, September 4, 2015
Fall Break: Thursday & 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: Monday, December 7, 2015

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 the library. Highway to Success/The Learning Center (925-8907) offers tutoring at no cost to the student. 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.

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. Cell phones must be turned off during exams. 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.