

## SYLLABUS: MATH 193 – *Critical Thinking for Math* – Fall 2015, Section 507

**Instructor:** Cheryl Black

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**Phone:** 505-264-0766 (cell) 11:30am - 10:00pm Tues. – Sat. only

**Office:** Academic Building, room 103, cubicle 12, phone: 925-8600

**Office Hours:** Office Hours: T/Th 12:30 - 1:00 pm (room A103), also 12:00-12:30pm, Tuesday (room C-108). Additional office hours by appointment

**Class Time & Location:** Tuesdays & Thursdays, 3:30-4:30 pm, Room C-108:

**Portfolio Due (final project):** Thursday, April 30, 2015, not later than 4:00pm (last day of class)

**Class Designators:** CRN – 53648, section – 507

### **Course Description:**

Math 193: Critical Thinking for Math (2 credits) will develop strategies for successful achievement in mathematics including developing academic skills as a foundation for college learning, employing critical thinking skills in problem solving, utilizing multiple problem-solving strategies & methods, developing a mathematical awareness of the world and expanding confidence in mathematical ability that will be valuable throughout a college career.

Placement: Math 193 is required of all students who place into Math 100.

Co-requisite: Math 100.

**Required Materials:** Math 193 Booklet: *Critical Thinking, Problem Solving & Math Study Skills*.

Instructor handouts.

### **Grades & Grading:**

#### Possible Grades:

A+ 98% +

A 93 – 97%

A- 90 – 92%

B+ 88 – 89%

B 83 – 87%

B- 80 – 82%

C+ 78 – 79%

C 73 – 77%

C- 70 – 72%

D 60 – 69%

F below 60%

#### Graded Categories:

Attendance & Participation 10%

In-class Projects & Oral Communication 20%

Homework & Written Communication 20%

Portfolio 50%

### **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

Thanksgiving (campus closed): Thursday and Friday, November 26 & 27

Last date to drop without approval of Director of Student Affairs: Friday, November 6, 2015

Final Exam: TBD (week of Dec 7-12)

## SYLLABUS: MATH 193 – *Critical Thinking for Math* – Fall 2015, Section 507, cont'd

### Course Components:

#### Attendance & Participation: 10% of your grade

The student must be on-time and remain for the entire class session, and have the necessary course materials on hand. You ***will be marked absent*** if you are five or more minutes late, viewing or using a cell phone during class, viewing ANY internet content unless directed by the instructor, or you are disruptive to the learning environment. Each unexcused absence will reduce the attendance grade. If absent, the student must see the instructor in person, contact her by email or leave a phone message within 24 hours to change an unexcused absence to an excused absence. You may be required to provide third party proof of the legitimacy of your absence. Acceptance of an excuse is at the discretion of the instructor, and will only be granted if the student has spent an appropriate number of hours on the course leading up to and during the period of absence and has an unavoidable and legitimate reason for missing the class.

#### In-class Projects & Oral Communication: 20% of your grade

As a class or in small groups, we will discuss problem solving techniques, communication techniques and other related topics. In-class projects will include problems/games/other activities whereby we may apply these techniques and analyze our effectiveness (as a class or individually). Students will be asked to communicate (orally &/or in writing) with the class on these activities or analyses. Further instruction will be given for each project.

#### Homework & Written Communication: 20% of your grade

Students will be asked to write summaries or synopses of “in-class” activities to hand in for grading, or to be included in the student’s portfolio. Students will also be assigned homework activities and will write appropriate communication of these activities. Portfolio assignments will include a five-hundred-word, typed Mathematical Essay on an approved topic.

#### Portfolio: 50% of your grade

Portfolios are due the last day of class the week before finals week (Dec 3, 2015). **NO** late portfolios will be accepted. More details will be given as needed and as the semester progresses. Currently anticipated requirements are:

- Problem Write-Ups
- Homework Write-Ups
- One Completed Mock Final and Exam Analysis
- Story of Maths Film Questionnaires
- Five-hundred-word, typed Mathematical Essay on an approved topic

## SYLLABUS: MATH 193 – *Critical Thinking for Math* – Fall 2015, Section 507, cont'd

### Major Course Student Learning Outcomes:

At the conclusion 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 & methods
- Develop a mathematical awareness of the world
- Expand confidence in mathematical ability

**SUPPORT SERVICES: Highway to Success tutors are available M-Th from 8am to 5pm, and Fridays 8am to 2pm (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. Cell phones must be turned off and be out of sight during exams. **ABSOLUTELY 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 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.