Instructor: Cheryl Black
Email: cblack02@unm.edu
Phone: 505-264-0766 (cell) 11:30am - 10:00pm Wed, Fri & Sat. only
Office: Academic Building, room 103, cubicle 12, phone: 925-8600
Office Hours: Office Hours: T/Th 11:00 – 11:30am (Math Center), or 2:45 - 3:10 pm (room C-108),
  Additional office hours by appointment
Class Time & Location: Tuesdays & Thursdays, 3:30 - 4:20 pm, Room C-108:
Portfolio Due (final project): Thursday, May 4, 2017, not later than 4:00pm (last day of class).*
* Note – Portfolio must be handed to me personally, not left in my office mailbox, unless you have
  made prior arrangements with me otherwise.
Class Designators: CRN – 36613, section – 502

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: Implements for note taking and working problems. You may accommodate your
own preferences for these materials.

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 (with refund): Friday, February 3, 2017
Spring Break: Monday thru Friday, March 13-17, 2017
Last date to drop without approval of Director of Student Affairs: Friday, April 14, 2017
Last day to drop with approval of the dean (or to change grading options): May 5, 2017
Final Project: Portfolio – Due Thursday, May 4, 2017, not later than 4:00pm (last day of class)
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 &/or in-class assignments
• One Completed Exam Analysis (for Math 100 Midterm)
• Story of Maths Film Questionnaires
• Five-hundred-word, typed Mathematical Essay on an approved topic
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: The Learning Commons tutors are available Monday through Thursday from 8 am to 7 pm, and Fridays from 8 am to 2 pm (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.

EXPECTATIONS: Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be set on silent. Cell phones must be turned off and be kept out of sight during exams. Only water (kept in a closed container) is allowed in the lab and classroom.

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.

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. 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.
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<th>Week Number</th>
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| 1           | 17-Jan Introduction - Syllabus  
Over-View of Class  
Treasure Hunt assigned | 19-Jan Briefing: Developing Study Skills  
Learning Styles Inventory assigned |
| 2           | 24-Jan Math Anxiety Video & discussion                                      | 26-Jan Developing a “Number Sense”  
Treasure Hunt Due  
Learning Styles Inventory Due |
| 3           | 31-Jan Number Sense Practice  
Mathematical Mindset | 2-Feb Group Dynamics & Working in Groups  
Math Explorations |
| 4           | 7-Feb Math Explorations & Problem Solving  
Treasure Hunt Due | 9-Feb Math Explorations  
Group Problem |
| 5           | 14-Feb Word Problems | 16-Feb Word Problems |
| 6           | 21-Feb Word Problems | 23-Feb Word Problem Practice |
| 7           | 28-Feb Group Problem | 2-Mar Group/ Individual Problems |
| 8           | 7-Mar Math Explorations | 9-Mar Group/ Individual Problems |
| 9           | 14-Mar Spring Break (no class) | 16-Mar Spring Break (no class) |
| 10          | 21-Mar Library Research Presentation | 23-Mar Discuss Essay & Portfolio |
| 11          | 28-Mar Essay Research  
Topic Due | 30-Mar Critical Thinking |
| 12          | 4-Apr Other Kinds of Thinking | 6-Apr Critical Thinking Application  
Group/ Individual Project |
| 13          | 11-Apr Work on Essay  
Portfolio Problems Assign | 20-Apr Work on Essay/Portfolio Problems  
Essay Rough Draft Due  
Group/ Individual Project |
| 14          | 18-Apr Group Discussions on Problem Solving | 27-Apr Work on Portfolios  
Turn in Portfolio for pre-check (optional) |
| 15          | 25-Apr Work on Portfolios | 4-May Final Review  
(M-100)  
Portfolio Due |
| 16          | 2-May M-100 Final Review | 4-May Final Review  
(M-100)  
Portfolio Due |