

MA100 - SURVEY OF MATHEMATICS - SCHOFIELD - FALL 2012 - BLITZER/DR.TREVORROW

**Semester:** 10-01-2012 – 12-13-2012  
**Class Times:** Friday, 5.30 - 9.40 PM (10 Weeks), Schofield Barracks Education Center  
**Course Text:** Thinking Mathematically, 5th edition, Blitzer, Prentice Hall.  
**Instructor:** Dr.Torrance L. Trevorrow  
**Office Hours:** Before or after class, other times by arrangement. Optional Sat afternoon may be provided.  
**Email:** ixxi@hushmail.com or torrance.trevorrow@adjunct.chaminade.edu

**Course Description:** MA 100 Survey of Mathematics (3 credits) (from the catalog) Mathematical thought is studied through interactions between the foundations of knowledge and the study of the nature of mathematics Topics include the basis of sets and logic, numbers and operations, algebra, geometry, measurement, financial management, probability and statistics, graphs and functions. This course fulfills the Track A general education requirement in mathematics. The course is intended as a terminal course and is not a prerequisite for any other course in mathematics.

**Primary Topics:** Problem Solving, Critical Thinking, Number Theory, Consumer Mathematics (finance), Measurement - Dimensional Analysis, Algorithms , Graphs, Probability Theory, Expected Value, Statistics.

**Success:** Math cannot be speed read, so please allow time for adequate study. Most universities recommend 8-12 hours per week for study, homework, assignments and research for a 3 credit course.

**Required Materials:** Notebook, 3 ring paper for in class quizzes and tests, text is required and may not be shared for quizzes or exams, other as discussed in class (protractor, ruler, graph paper).

**Attendance:** Students are expected to attend all classes. Missing an evening class is the equivalent of missing 4 regular day classes. You are responsible for the material that was covered and should obtain missing notes, homework, assignments, and handouts from a classmate. Late arrivals are disruptive to everyone's learning and recorded as a partial absence.

**Deficiency Report:** Deficiency reports may be issued for students who are officially registered but not attending class or are not doing satisfactory work.

**Withdrawal** Students who miss two consecutive weeks of class (prior to the withdrawal deadline) may be withdrawn by the instructor. Missing two classes is an automatic grade reduction.

**Grading:** (from the university catalog) Letter grades are given in all courses except those taken on a credit/no credit basis. Grades are calculated from the student's daily work, class participation, quizzes, tests, term papers, reports, and the final examination. They are interpreted as follows:

- A Outstanding scholarship and an unusual degree of intellectual initiative.
- B Superior work done in a consistent and intellectual manner.
- C Average grade indicating a competent grasp of subject matter.
- D Inferior work of the lowest passing grade
- F Failed to grasp the minimum subject matter; no credit given

Weekly Quiz	(weeks 1-8)	800 pts
Master Quiz	(comprehensive week 9)	200 pts
Final Exam	(end of week 10, in class)	1000 pts

**Final Exam:** 2 hrs, comprehensive, and must be taken when scheduled, no exceptions. A score of 60% or better is required on the final to pass the course.

**Course Schedule:** In general we will cover 2-4 text sections per week. Each section may require 1-3 hrs for reading and study and additional time for completing the HW. A detailed weekly schedule will be provided in class (subject to change).

**Academic Integrity:** All material submitted in fulfillment of course requirements must be done by the registered student. Copying or having someone else do your work, constitutes plagiarism and may result in failure for the course.

**Technology:** Calculators are optional depending on the topic at hand and will not be required for the final. All other electronics including cell phones are disruptive and prohibited in class, including breaks.

**Not Permitted:** Per the Base Commander: no food or drink, other than bottled water is permitted in the classroom. Cell phones or other technology should be switched off and stored. Disruptive behavior interferes with the learning of other students and you will be asked to leave.

**Courtesy:** Even quiet talking can be annoying to the students in front of you. Please be considerate and limit conversations to breaks or group work. If you have a question ask the instructor, others will benefit.

**ADA Accommodations:** Students with special needs and meet the requirements of the Americans with Disabilities Act (ADA) should contact the Chaminade Counseling Center by the end of Week 2, for the possibility of making accommodations. Contact: Dr. Yashuara, 808-7354845

**Assistance:** Your instructor is usually available before or after class, and at other times by arrangement. Tutoring may also be available via student services at Chaminade.

**Notes & Contacts or Weekly Grade Record:**