CHAMINADE UNIVERSITY - MA100 - *SURVEY OF MATHEMATICS*
SCHOFIELD BARRACKS

Course Dates:7/5/2011 – 9/14/11

Class Times: Wednesdays, 5.30-9.40 PM (10 Weeks)
Course Text: Thinking Mathematically, 5th edition, Prentice Hall.
ISBN-10: 0321744446 | ISBN-13: 9780321744449
Instructor: Dr. Torrance L. Trevorrow
Office Hours: Before or after class, other times by arrangement.
Email   arithmetic.math@gmail.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. Offered every semester.
Prerequisites: MA 098 or placement.

Primary Chapters and Topics:

[1] **Problem Solving**, models, estimation, graph elements, inductive deductive reasoning
[5] **Number Theory**, order of operations, exponents, scientific notation, applications
[9] **Measurements**, conversions, dimensions, errors, scales, limits
[8] **Finance**, percents, taxes, simple interest, gain-loss, future value
[11] **Probability**, fundamental counting principle, theoretical, empirical, expected value
[12] **Statistics**, sampling, frequency distribution, graphs, central tendency, dispersion

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, Text, Graph paper (print yourself), and ruler. An
inexpensive calculator for work involving exponents and finance *may* be required.

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.

Withdrawals by Instructor (from the university catalog)

Students who miss two consecutive weeks of class (prior to the withdrawal deadline) may be
withdrawn by the instructor. Withdrawals are only effective for tuition refunds when
initiated by the student during the refund periods and in accordance with the appropriate
refund schedule. The student must obtain written permission from the instructor to be re-
enrolled in a class from which the student has been withdrawn.

Homework: HW will be assigned and graded via Mathlab. This gives you the opportunity for multiple practice questions, instant help, and demonstrable competency. (Non Math Lab option will be available)

Quizzes: Practice quizzes will be available for each section and provide essential review for the midterm and final exam.

Late Work: Occasionally life events will interfere with our best intentions. You may have one "late work" week with a percentage reduction for that assignment.

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, not satisfactory for fulfillment of prerequisite course work.
F   Failed to grasp the minimum subject matter; no credit given

Homework	(class work, presentations, assignments)	40%
Midterm	(week 5)	20%
Final	(week 10, proctored)	40%

Final Exam: Usually 2hrs, comprehensive, proctored, end of Week 10. A score of 60% or better is required on the final to pass the course.

Course Schedule: In general we will cover 2-3 sections each week (details provided in class). Week 5 is Midterms and Week 10 is finals.

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: As much as practicable students are encouraged not to use calculators, however calculators can be very useful for checking your work, and may be required for the exponents and finance portion of the course.

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, 808-735-4845

Assistance: Your instructor is usually available before or after class, and at other times by arrangement. Tutoring may also be available on the main campus.

Notes: