CHAMINADE UNIVERSITY - MA100 - *SURVEY OF MATHEMATICS*
ONLINE - SESSION II

Course Dates:7/5/2011 - 9/14/11
Class Times: M-F Online (10 Weeks)
Course Text: Thinking Mathematically, 5th edition, Prentice Hall,
        ISBN-10: 0321744446 | ISBN-13: 9780321744449
Instructor: Dr. Torrance L. Trevorrow
Office Hours: Online (optional live Saturday sessions may be offered)
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Course Description: MA 100 Survey of Mathematics (3credits) (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 can not be speed read. 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: Each week is the equivalent of 4 regular day classes. You are encouraged to check in daily for any new material, posts, updates etc, and have a personal dedicated "math time" each weekday.

Homework: HW will be assigned and graded via Mathlab. This gives you the opportunity for multiple practice questions, instant help, and demonstrate 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: You may have one "late work" period 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	(classwork, presentations, assignments)	40%
Midterm	(week 5, online, multiple parts)	20%
Final	(week 10, proctored)	40%

Final Exam: Usually 2hrs, comprehensive, proctored, end of Week 10. More details will be provided towards the end of the semester. 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 per week, Week 5 you will have a multi-part online Midterm (no new material) and Week 10 a review Quiz (no new material), and a proctored final.

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 they may be required for the exponents and finance portion of the course. As an online course a reliable computer and Internet connection is essential.

ADA Accommodations: Students with special needs that meet the requirements of the Americans with Disabilities Act (ADA) should contact the Chaminade Counseling Center by the end of Week 2 for a determination of possible accommodations. Contact: Dr. Yashuara, 808-735-4845

Assistance: Your instructor checks the web board M-F, if you need help before the weekend please make your post/request by Thursday. Saturday sessions may be offered near Pearl Harbor and at Schofield, and Tripler, by arrangement. Tutoring may also be available at the main campus from Student Services.

Notes & Contacts