MA100 SURVEY OF MATHEMATICS - ONLINE
Semester: July-Sept 2014
Professor: Dr. Trevorrow

Class: Online using My Math Lab, Initial log in via eCollege
Text: Thinking Mathematically, 6th edition, Blitzer, Prentice Hall (various Isbn)
MML: My Math Lab (subscription) is required for the online course (see below)
Office Hours: Online Mon - Thurs. (optional live Saturday sessions may be offered)
Email: torrance.trevorrow@adjunct.chaminade.edu

Course Description: This is a 3 credit terminal course and is not a prerequisite for any other course in mathematics. As a survey course a variety of mathematical topics are studied and may include: Problem Solving, Inductive Deductive Reasoning, Scientific Method, Numeration Systems, Number Theory , Algebraic Expressions, Graphing, Percent, Finance, Measurements, Probability Theory, Statistics. The goal is to help the student understand and apply mathematical nomenclature, format, and mathematical techniques to solve diverse, numerically based problems.

Course Topics : Problem Solving, Numeration Systems, Number Theory, Algebraic Expressions, Graphing, Percent, Finance, Measurements, Probability Theory, Statistics.

Course Objectives are based on the Chapter/Section Contents from the text and evaluated based on problem solving, definitions, concepts and applications. In Brief:

- Comprehend different problems solving models as they apply to mathematics
- Relate the scientific method to inductive reasoning and its limitations
- Application of tables and patterns to solving complex problems
- Explore different numeration systems and quantitative symbolic history
- Appreciate numerical properties and their applications
- Uniqueness of prime numbers in solving unusual problems
- Use of algebraic symbols to solve word problems
- How to read, interpret, label and create graphs based on data or simple equations
- Apply concepts of percent and simple interest to consumer applications
- Properly define commonly used nomenclature for financial formula, ordinary and exact interest
- Appreciate the origins, development and problems with our “money” system
- Be able to convert various measurement units, understand their advantages, disadvantages
- Dimensional Analysis, Unit vs. Measurement
- Make predictions based on theoretical or empirical probability and apply to dice, cards, events
- Form basic statistical calculations, numerical and graphical interpretation of data
- Understand some requirements for a valid survey, Sample Size, Randomness
- Create different graph types, determine which might be most appropriate for given data `
- Know how graphs may be structured to modify perceptions and affect conclusions

Required Materials: Notebook, Text or online eBook, MML subscription, other materials as discussed.

Text & MML: Several options are available. Select which works best for you: New text with MML subscription, an MML subscription, or used text and MML subscription. All MML subscriptions include the online ebook. Some students prefer a paper copy and others are comfortable reading online. All classwork is done online through MML.

Late Work: Work is due when indicated or if late may be subject to a grade penalty or not accepted.

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.	90% +
B Superior work done in a consistent and intellectual manner.	80% +
C Average grade indicating a competent grasp of subject matter.	70% +
D Inferior work of the lowest passing grade.	60% +
F Failed to grasp the minimum subject matter; no credit given.	0-59%

Submitted work is assigned points then converted to a letter grade corresponding to the criteria above.

Weekly Homework	800 pts	(weeks 1 – 4 and 6 - 9)
Midterm	600 pts	(week 5 - based on weeks 1-4)
Final	600 pts	(end of week 10 - based on weeks 6-9)

Midterm and Final must be taken when scheduled, at one sitting, time limited, one attempt only. Excuses are not accepted so make sure you schedule accordingly and have a reliable computer and solid Internet connection. Grading will be based on what was properly submitted and saved during the date/times specified.

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 online.

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

Technology: You are responsible for learning how to properly use your calculator. A reliable computer and Internet connection is required. All work will be graded as submitted. *Resets and date changes will not be made unless Pearson confirms it is a system problem their end.*

ADA Accommodations: Students with special needs that meet the requirements of the Americans with Disabilities Act (ADA) should inform 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 usually checks the web board 2 - 3 timers per day, and officially Monday through Thursday. Please make your post/request by Thursday. Live sessions may be offered near Pearl Harbor by arrangement. Tutoring may also be available via Student Services at the main campus as well as online through MML.

Technical Support: For technical questions: contact the Chaminade eCollege helpdesk at: (866) 647-0654 or (808) 735-4855 or helpdesk@chaminade.ecollege.com. eCollege Account Support Call 808-739-8327. MML Support through the MML site help icon or via their toll free number.

Getting Started:
(i) Once you have registered for the course, log into eCollege → www.chaminade.ecollege.com
(ii) Select the current MA100 Online Course
(iii) Read the information given, then log into the MML site for this course.
(iv) Do not share login information.