

CHAMINADE UNIVERSITY – HONOLULU
MA 100 Quantitative Reasoning and Mathematical Skills

Course ID: 100-60-03 10 Weeks (07/06/15 – 09/10/15)

Professor: Dr. Trevorrow **Email:** torrance.trevorrow@adjunct.chaminade.edu

Textbook: Thinking Mathematically, 6th edition, Blitzer, Pearson, ISBN (various), MML not used.

Classroom: Pearl Harbor Education Center – Room 21. 5:30pm – 9:40pm Tuesdays

Office Hours: After class, other times by arrangement.

WELCOME

Welcome to MA 100! I look forward to a productive and meaningful semester. The course covers a wide variety of mathematical topics with both theoretical and practical applications. Your professor has been teaching for over 20 years and is looking forward to your increased understanding of mathematics and problem solving. If you have any questions or concerns please let me know.

Description and Objectives: We will be exploring several aspects of mathematics including: Problem Solving, Inductive and Deductive Reasoning, Scientific Method, Sets, Number Theory, Algebra, Graphing, Finance, Measurements, Dimensional Analysis, Probability, and Statistics.

Specific objectives are at the beginning of each text section delineates the topic objectives. Your learning will be evaluated using quizzes and a final exam. This course may be modified according to class interests and abilities. This is a 3 credit course and not a prerequisite for any other course

Text Information: A paper text is required for in class work and quizzes. MML (My Math Lab) is not required. Depending on your preference you may wish to rent or purchase a used book.

Supplies: Notebook or 3 ring Binder (preferred), Text, Graph paper, Calculator (2 line display recommended), Ruler with standard/metric units. Other materials as discussed. A dedicated calculator is required to solve some of the more complex math problems. Cell phones, tablets may not be used due to extra-communication capabilities. Costs for paper related supplies should be about \$5, and for a two line display calculator, \$10-15.

Email: Make sure you have access to your CUH email account for important class or university information. If you need assistance contact the Help Desk: (808) 735-4855 or helpdesk@chaminade.edu

Grading: Letter grades are based on cumulative class work (weighted) converted to a percent. $A \geq 90\%$, $B \geq 80\%$, $C \geq 70\%$, $D \geq 60\%$, $F < 60\%$. Weightings are as follows.

Media Analysis	100 pts	Weeks 1-9
Class Work	± 100 pts	Weeks 1-9
Quizzes	400 pts	Weeks 3, 5, 7, 9
Final	400 pts	Week 10

Homework: Homework will be given at the end of each class based on the material covered. Solutions should be organized, properly written out showing main working, box final answer. Test your learning by completing the questions and keep your work for review. Any weeks HW may be periodically collected as part of class work or a quiz.

Media Analysis: Each week a 1-2 paper analyzing a media article using the material learned the previous week. May be typed or neatly handwritten including the original article or insert. Compare the articles analysis to your own.

Class Work: Is based on thoughtful questions, insights, teamwork for group activities, and critical analysis for media articles or videos and quality of any presented work.

Quizzes: Quizzes come from the homework and class material for the previous two weeks. Layout your working according

to mathematical standards. There are no make-up quizzes. After grading, quizzes will be reviewed in class and then returned to the instructor. For grade inquiries see your professor after class.

Final Exam: Comprehensive given during class on Week 10 and must be taken when scheduled. The final may be multiple choice, or written, or both depending on class performance throughout the semester. Any course grade concerns must be addressed within two weeks from the end of week 10.

Attendance: Attending class is vital to your success. Partial attendance can result in missing key concepts and make progress more difficult. Be ready to start on time. If you missed class obtain any information on what was covered, handouts etc. from a classmate.

Missing any two weeks may result in possible withdrawal by professor or grade reduction. Arriving late or leaving early may result in $\frac{1}{4}$ to $\frac{1}{2}$ grade reduction. A sign in/out sheet will be provided. Failure to accurately sign in or out will be considered absence for that class.

Late Work: Any assigned work is due when indicated, usually before class starts. Late work is not accepted.

Technology: No technology in class other than a dedicated calculator when permitted. Cells phones off, and may not be used as a calculator substitute. All technology, texts etc must be kept flat on the desk, so any work is immediately visible. If you are on call or need to be available for other reasons see your professor before class.

Conduct: Chaminade's standards for student conduct shall apply. Be considerate of others. Even quiet conversation can be disruptive. If you have math questions, raise your hand, ask your professor, not your neighbor. Non-math questions can be asked during break or after class. Any disruptive behavior may result in alien abduction, grade reduction, or dismissal from class.

Weekly Format: Class will usually follow a sequence of discussion of any difficult homework questions, a review of our current understanding of this weeks topic, development and examples for the main concepts this week, in-class practice questions, and hands on or group activities ending with assignments/homework for next week. Quizzes will normally be at the beginning of class.

Study Time: Depending on your abilities and previous math experiences homework, reading, and assignments may take anywhere from 4-12 hours per week. Pre-reading next weeks topics will provide a significant advantage for your learning.

Academic Integrity: All material submitted in fulfillment of course requirements must be done by the registered student. Violations may result in failure for the course or grade reduction. Avoid wandering eyes or diagonal viewing during quizzes or exams.

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**