Instructor: Dr. Torrance Trevorrow

Office Hours: By arrangement

Email: All email should be via CUH's email system. My address should be: Torrance.Trevorrow@adjunct.chaminade.edu If for any reason the server is 'down' then the instructor may be contacted via numeroprime@yahoo.com (make sure MA100 is in the subject line).

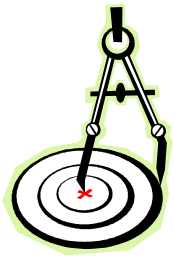
Text Book: As selected by Chaminade University: The Nature of Mathematics, Tenth Edition by Karl Smith. Brooks/Cole Publishing Company, 2004. ISBN 0-534-40023-X. This is a very popular text used by major universities. Earlier editions may be used with discernment. If ordered online, please make sure to pay for priority shipping; media rate takes 8-10 weeks.

Class Times: KMAS: Fridays 5.30 - 9.40 for 10 weeks.

Course Description: This is an introductory course that meets the Track A general education requirement in mathematics and does not meet any prerequisites for any other math course (3 credit hours). Mathematical content is developed from numerical concepts into explorations of geometry, measurements, and finance. If there are specific areas of student interest these may be explored. The course, its content, and grading may be modified at the instructor's discretion.

Objectives: To improve student skills in reading, interpreting and communicating mathematics contents using numeric, analytic and graphical methods, and to allow students to develop an understanding of both deductive and inductive reasoning. This course will place an emphasis on increasing the student's mathematical skills and knowledge relating to: Problem Solving, Types of Numbers, Geometry, Areas and Volume, and Financial Management.

Methodology: Most of your learning will come from *meticulous* study of the text and material presented. Multiple quizzes, discussions, and supplementary articles and presentations will be used to reinforce learning. Media articles will also be used to relate mathematical concepts to everyday life.



You are required to seek clarification on any material that you do not understand.

Grading: Total points and letter grade are as indicated:

Weekly Quizzes (10)	100 pts
Research Problems (5)	100 pts
Homework	100pts
Final Exam (proctored)	200 pts

A = 90-100% B = 80-89% C = 70-79% D = 60-69% F = 0-59%

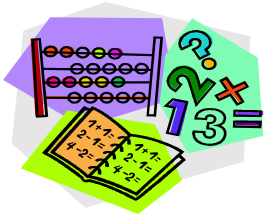
Absences: Must be supported by ER or Medical Slip, Funeral Home, or Military Orders with appropriate CO information. The instructor will determine the appropriate credit for missed quizzes, all other work is required.

Academic Honesty: All material submitted in fulfillment of course requirements must be done by the registered student. Cut and paste research, copying or having someone else do your work, constitutes plagiarism and will result in a grade of zero and possible failure for the course. You must have valid photo id for the final.

Supplies: May include: Text Book, Notebook, Ruler, Protractor, Compass, and Calculator with exponential function (for the finance portion of the course). *A cell phone is not adequate* for a calculator and is not to be used for exams.

Resources: The Internet has many wonderful sites for learning more about mathematics – many are mentioned in the text. Newspapers, Magazines, Dictionaries, Encyclopedias and your classmates can provide useful material and perspectives for analysis and learning. The text is also supported by its own site: www.mathnature.com

Requirements: All work is required to be completed and submitted on schedule. All work must be properly identified and clearly presented, showing all intermediary steps (*answers only =0*).



Your contributions and ways of approaching problems will help enrich everyone's learning. You are required to participate by studying the text, doing the assigned homework and research, taking the weekly quizzes and final exam, asking questions, discussing topics, and assisting other students with their questions.

MA100 SYLLABUS

Week StartDate	Section / Topic	Homework 50-100 Questions To Submit	Weekly Quiz/HW Grade	End of Chapter Assignment
1	1.1 Problem Solving 1.2 Ded/Ind Reasoning	1.1 Level I,II 1.2 Level I		
2	1.3 Scientific Notation 1.4 Finite and Infinite	1.3 Level I,II 1.4 Level I,II		IRR1.2-1.7
3	4.1 Natural Numbers 4.2 Prime Numbers	4.1 Level I 4.2 Level I,II		
4	4.4 Rational Numbers 4.5 Irrational Numbers	4.4 Level I,II 4.5 Level I,II,III		G13-G15 IRR4.2-4.17
5	6.1 Geometry 6.2 Polygons and Angles	6.1 Level I,II,III 6.2 Level I,II,III		
6	6.3 Triangles 6.4 Similar Triangles	6.3 Level I,II 6.4 Level I,II		G23-G25 IRR6.2-6.12
7	7.1 Perimeter 7.2 Area	7.1 Level I,II 7.2 Level I,II		
8	7.3 Surface Area, Volume 7.4 Misc. Measurements	7.3 Level I,II 7.4 Level I,II		G26-G28 IRR7.2
9	9.1 Interest 9.2 Installment Buying	9.1 Level I,II 9.2 Level I,II		
10	Review Quiz	Comprehensive		G31-G33

* Select one research topic to submit and present. This may be from the end of the chapter INDIVIDUAL RESEARCH PROBLEMS or GROUP RESEARCH PROBLEMS), or created by the student based on a media article, video, or personal experience related to the chapter content.