

Mathematics 1030- Introduction to Quantitative Reasoning

Summer 2008

Instructor: Julian D. Chan

Class Time and Place: 8:00-9:30 A.M.

Monday, Wednesday, and Friday. WEB 2230

Office Hours: Fridays 9:30-10:30A.M. Students can also e-mail questions or set up a time to meet if students have a conflict with my office hour (I will do my best to make accommodations)

Office Location: JWB 221

Office number: 5859114

E-mail address: julian@math.utah.edu (Note this is the best way to contact me. It would help if you put math 1030 in the subject line.)

Web page: <http://www.math.utah.edu/~julian>

Students will need to check the web page and e-mail on a daily basis for various reasons such as course announcements and assignments. As such students are responsible for making sure that the e-mail address listed with the university is up to date and that students are able to receive and read messages daily. Failure to do so may prevent you from receiving important information of which you will be accountable.

Text: Using and understanding Mathematics: A Quantitative Reasoning Approach, by Jeffrey O. Bennett and William L. Briggs.

Prerequisite: Math ACT score of 23 or grade of C or better in MATH 1010. Students should also be able to work with variable expressions, linear equations, graphs, exponents, and geometric shapes.

Course Description: Math 1030 is centered around the use of modeling changes in the real world, and effective communication of these mathematical ideas. You will be expected to read and understand the following chapters from the text which the course is based on:

Thinking Critically and Problem Solving (Ch. 1 & 2)

Numbers and Applications (Ch. 3)

Financial Management (Ch. 4)

Exponentials and Modeling(Ch. 8 & 9)

Fundamentals of Geometry (Ch. 10)

Tutoring Lab: Free tutoring is available through the T. Benny Rushing Mathematics

Center (adjacent to JWB & LCB), room 155. For more information, please see their website(<http://www.math.utah.edu/ugrad/mathcenter.html>)

Calculators: You will NEED A CALCULATOR for this course. A scientific calculator will be sufficient.

Grading: The grades will be calculated as follows:

Quizzes 15%
Homework 10%
Group project 20%
Exam I 10%
Exam II 10%
Exam III 10%
Final Exam 25%

Exam Days:

Exam I- June 15th
Exam II- July 16th
Exam II- July 16th
Final Exam- August 1st 7:30-9:30 in WEB 2230

Note: A make-up exam or quiz will only be given in EXTREME cases!!! Telling me you have to work that night or that traffic is bad is not a good excuse. A good reason to miss an exam is a car accident, death in the family, surgery. A make up exam will be given if you can provide convincing and verifiable evidence that you have a significant illness, or serious family crisis that prevents you from attending. If you let me know well in advance that you cannot make an exam or quiz we might be able to work something out so please talk to me in advance about these situations.

Homework and Quizzes: Homework will be given out in class and will be collected the following class. Homework will be worth 2 points. Two points will be awarded if you show all your work and have the correct answer. One point will be given if you have attempted all problems and have the general idea of how to solve the problems. It is not sufficient to merely write down the final answer to the problems. The style of your written solutions should be very much like that of the examples from class and from the text book. You are encouraged to study and work together on homework assignments, but you must each submit your own work. Everything you submit should be in your own words and you should thoroughly understand everything you write down. If there is something that you don't think you understand, please come talk with me. I recommend paying close attention to your homework and quiz scores and to try to get full credit on all of your homework. Your lowest homework and quiz score will not be applied towards your final grade.

Group Projects: You will have a group project to turn in and will be **due July 18th**. You will be given a list of topics from which to choose your project from. You must work in a group of about three students from which you must all contribute. If a group member fails

to contribute they can receive a zero score for the project. It maybe the case that you don't work well in a group or that you have a difficult schedule, but to get **full credit on the group project you MUST work in a group.**

ADA Statement: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systematic, learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations you may require for the course.

Grading Scale:

A 93-100
A- 90-92
B+ 87-89
B 82-86
B- 79-81
C+ 76-78
C 71-75
C- 68-70
D+ 65-67
D 60-64
D- 57-59
E <58

Holidays (NO CLASS)

Memorial day May 28th
Independence day July 4th

Decorum: The purpose of this class is to allow me to assist you, the students, to learn mathematics. It is not to allow anyone (including myself) to show off or to belittle or demean any other person. There is no competition for grades or favor, so such behavior will not be tolerated. If there are any comments, remarks, or suggestions that you have you can feel free to give them to me.

Disclaimer: This syllabus has been created as a guide to the class and is as accurate as possible. However, all information is subject to change as class needs change.