

MATH IN THE MODERN WORLD

Math 101-002, Spring 2015

M-F 9-9:50 AM, Bouillon 110

Instructor: Tyler Suronen

Office: Black 225-40

Office Hours: MWF 12-12:50 PM

TR 1-1:50 PM *or by appointment*

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Text: *Using & Understanding Mathematics: A Quantitative Reasoning Approach*, by Jeffrey Bennett and William Briggs

Required Materials: The text, a scientific calculator, and internet access for Canvas. I will be using the 5th edition of the text for lectures, but you may use other editions for reference.

Attendance: Daily attendance is not mandatory, but is highly recommended for your success in this course. Please bring your text and calculator to every lecture. The calculator will be handy for in-class work and the text will be used to reference tables, graphs, etc. If you are absent, you are responsible for obtaining any information or materials presented in lecture. You are welcome to e-mail me to ask what material we cover if you have been absent.

Homework: Homework will be assigned frequently in class. Homework is worth 15% of your total grade. The homework will reflect the material covered recently in class. It is expected that you keep up with the homework. You are expected to attempt all problems. Homework will typically be discussed in class on the day it is due. Homework will be graded for neatness, completeness, and correctness. For neatness the work must be organized and legible. Completeness means that you have tried every problem. Selected problems will be graded for correctness. Correct not only means that you found the correct answer, but also that your work clearly leads to your solution.

Quizzes and Exams: There will be 3 in-class exams worth 80 points each (anticipating exam dates to be 4/10, 5/1, 5/22). There will be 5 quizzes worth 20 points each. Your lowest quiz score will be dropped. The remaining four quizzes are then worth 80 points which is equivalent to one exam. The quizzes and exams combined will be worth 60% of your grade. This means individual exams and your combined quizzes are worth 15% each. Calculators will be useful for most quizzes and exams. No notes. No textbooks.

Final Exam: The final will be held on Wednesday June 10th 8:00-10:00 AM in our regular classroom. The final will be comprehensive and is worth 25% of your grade.

Grades: You must show all work. Answers without adequate justification will not receive full credit. Any kind of guess-and-check solution or remembering an answer will not suffice. Occasionally, answers without work or explanation will be acceptable (e.g. reading values

from a graph). I will attempt to make clear the amount of detail necessary with examples in lectures. Problems will be done by hand unless explicitly stated otherwise. Answers should be presented in exact form unless explicitly stated otherwise.

Your overall grade will be calculated by percentage of completed work with the following cutoffs.

$$\begin{aligned}90 &\leq A \\80 &\leq B < 90 \\70 &\leq C < 80 \\60 &\leq D < 70 \\F &< 60\end{aligned}$$

Late work: No late homework will be accepted. Early homework is welcome. In-class quizzes must be taken on the dates they are given. No make-ups will be given for quizzes (but one quiz will be dropped see Quizzes and Exams). Make-ups for exams are not given without reason (including but not limited to severe illness, work/military requirements). If you want to make-up an exam missed due to medical emergency I require a Doctor's note. In the event of unavoidable work scheduling conflict a note and contact information for your supervisor will be required.

Academic Dishonesty: Cheating will result in failure of the course and may have a larger impact on your standing with the university. Cheating includes copying work, hinting, helping, and using notes/book (when not instructed to do so) on an in-class quiz or exam.

Resources:

1. **YOUR INSTRUCTOR:** I'm available for additional help 5 days a week during my office hours. During office hours I can help you review material, work on practice problems, answer questions related to homework, etc. If you have questions you don't need to wait for my office hours to ask: you're welcome to e-mail me.

2. **YOUR TEXT:** The majority of the material in this class is based on the text. I recommend you keep up with the material in the book as we cover it in class. The text also has practice problems and will make a decent study guide.

3. **LEARNING COMMONS:** Tutoring and additional resources. For more information visit:

www.cwu.edu/learning-commons/university-math-center