

Mathematical Decision Making

Math 102-001, Spring 2018
11:00-11:50 AM, M-F, Bouillon 102

Math 102-002, Spring 2018
1:00-1:50 PM, M-F, Bouillon 110

Lecturer: Dr. Matt Pruis

Office: Bouillon Hall 122

Office Hour: 12-12:50pm, M-F

email: pruism@cwu.edu

Text:

You will need an access code to MyMathLab that can be purchased either through the CWU Bookstore or by credit card when enrolling through canvas. The textbook for this class is *Using & Understanding Mathematics: A Quantitative Reasoning Approach*, by Jeffrey Bennett and William Briggs. The textbook is optional, as you will have a digital copy of the textbook included with MyMathLab. Read along with the textbook as we cover the material.

Recommended Materials:

- Graphing calculator (TI-83/84 preferred). The free smartphone app, Desmos, is sufficient for this class.
Note: Without my consent, you will not be able to use a cell phone on tests.
- Pencils, erasers, lined paper or graph paper, notebook.

School Mission Statement:

The mission of Central Washington University is to prepare students for enlightened, responsible, and productive lives; to produce research, scholarship, and creative expression in the public interest; and to serve as a resource to the region and the state through effective stewardship of university resources.

Math Mission Statement:

In support of liberal education, scientific careers, teacher preparation, and actuarial science, the mathematics department prepares students for quantitative and symbolic reasoning and advanced mathematical skills through general education, service, major, and graduate programs.

Description:

Selected topics from probability, statistics and mathematical decision making with real world application.

Homework:

MyMathLab homework will be assigned after the completion of a section in the class. MyMathLab homework is due the day before the next quiz. 10% per day is deducted for late homework. You will have an unlimited number of attempts on the homework, so everyone can get 100% on their homework. Students who do their homework in sequence of instruction will benefit the most from classroom instruction.

When doing your homework feel free to ask for help. The University Math Center is here to help you; get in the habit of doing your homework during the open hours of the Math Center. Form a regular study group with other members of the class. Let me know when and where you meet and maybe I'll show up sometimes!

Quizzes:

Quizzes will be given throughout the quarter. The content and type of questions will be similar to the questions and material in the homework. Quizzes are cumulative and will include material that was presented earlier in the quarter.

Projects:

There will be a number of projects on probability and statistics. We will generally start the projects together in-class. You will be responsible for completing the project on your own. Projects may require using spreadsheets or other software.

Final Exam:

A comprehensive final exam worth 20% of the final grade will be given at the end of the quarter covering all of the course's learner outcomes. The content and type of questions will be similar to quizzes and homework given during the quarter.

Attendance:

Daily attendance is important for your success in this course and a roll call will be taken on most days. Roll call attendance will count toward your homework grade. Attending class will be your primary source for learning in this course. Announcements will be made and assignments given during lecture. If you are absent, you are responsible for obtaining any information or materials presented in lecture. If you anticipate being absent for an extended period, please talk to me well in advance.

Grading:

Grades will be determined by the following weights:

Homework	25%
Projects	20%
Quizzes	35%
Final Exam	20%

Grades will be determined by the following scale:

93-100% = A	90-93% = A -	87-90% = B +	83-87% = B	80-83% = B -	77-80% = C +
73-77% = C	70-73% = C -	67-70% = D +	63-67% = D	60-63% = D -	Below 60%=F

Academic Dishonesty:

Cheating may 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, the internet or any other resources (when not instructed to do so) on an in-class quiz or the final exam.

Disability Resources Statement:

Central Washington University is committed to supporting and sustaining an inclusive campus that recognizes disability as diversity. We are dedicated to ensuring individuals with disabilities have an equal opportunity to fully participate in the educational process and university experience. If you anticipate or experience any barriers to learning, please discuss your concerns with me. Students with disabilities should also contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963-2214 or email ds@cwu.edu for more information.

Classroom Equity:

In my classroom, diversity is welcomed and appreciated. I will not tolerate any forms of prejudice or discrimination, including those based on age, color, disability, gender, national origin, political affiliation, race, religion, sexual orientation, or veteran status. We are here to learn in a climate of civility and mutual respect.