

Spring 2013
Math 130.04 Finite Mathematics
Hertz 122, 9:00 - 9:50

Instructor: Dr. Jim Bisgard

Phone: 963 - 2823

Webpage: <http://www.cwu.edu/~bisgardj>

Office: Bouillon 118

E-mail: bisgardj@cwu.edu

Office Hours: Monday - Friday 12:00 - 12:50,
and by appointment.

Course Goals: This course is designed to help students develop critical thinking skills, master the basic principles of counting and probabilities, prepare students for further courses in statistics and apply these techniques to quantitative decisions.

Course Description: This course meets the General Education “Basic Skills (D)” requirement and prepares students for introductory statistics courses in various departments. It covers the language of sets, counting procedures, introductory probability, and introductory descriptive statistics.

Required Text: Bill Owen and Fred Cutlip, *Finite Mathematics: Introductory Probability and Statistics*, Hayden McNeil. We will be covering Chapters 6, 7, 8 and 9.

Calculator: A scientific calculator is required for class and exams. If you have a question about whether your calculator is suitable, please see me.

Grades

Grades will be calculated using the following weighting system:

Exams: 55% total, broken up as follows: 15% for the first exam, 15% for the second exams and 25% for the comprehensive final exam;

Take-Home Quizzes : 40%;

(Notice that this means that **quizzes** are **very** important in determining your grade! In particular, it is **impossible to pass if you don't turn in the quizzes!**)

Homework: 5%

and the following scale:

	87 – 89.9 : B+	77 – 79.9 : C+	67 – 69.9 : D+	below 60 : F
93 – 100 : A	83 – 86.9 : B	73 – 76.9 : C	63 – 66.9 : D	
90 – 92.9 : A–	80 – 82.9 : B–	70 – 72.9 : C–	60 – 62.9 : D–	

Exams

There will be three exams: two mid-terms and a final. The first mid-term will be on April 17, the second mid-term will be May 8 and the Final Exam will be on Thursday, June 6. The Final Exam will be cumulative, and **CANNOT** be taken early! **DO NOT** plan on taking your final early. If you miss an exam, you can take a make-up, but only if you have proof of a compelling reason for having missed the exam. As an example: if you are sick, I will need a doctor's note. In addition, you must notify me before (if possible) or within 24 hours after an exam to get a make-up. I will not give make-ups for circumstances you know about ahead of time! When a make-up exam cannot be taken before I return the corrected exam, I reserve the right to instead replace that portion of your course grade with your final exam grade.

Quizzes

We will have a take-home quiz every week, except for those weeks when we have an exam. Each quiz will be due at noon two days after being handed out. (So, a quiz handed out on

Tuesday will be due at noon on Thursday.) I encourage you to work with other students, but you should write up your solutions in your own words.

Homework

Almost every day in class, you will receive a few homework problems. Problems assigned on a Wednesday or later will be due on the Friday of the following week at noon. (For example, the problems from March 27, 28, 29, or April 1 or 2 will all be due at noon on Friday, April 5.) If you are unsure of what problems have been assigned, you should check www.cwu.edu/~bisgardj/teaching.html. I will be assigning odd problems from the book and will grade on completion only. This means I'll be most interested in the work you've done - if you just write down an answer, you won't receive any points. It is a good idea to work with other students from class. We won't have time to do many homework problems in class, so please feel free to ask during office hours. However, don't put off asking about homework until the day before it's due! (It makes me very impatient when you come by every twenty minutes to ask about material we covered a week ago!)

Late Policy for Homework and Quizzes

I will accept **TWO** late assignments for full credit. An assignment is a quiz or a homework. To get credit for a late assignment, it must be turned either before I return the corrected assignments to the rest of class or within two days of instruction of the due date, whichever comes **FIRST**. After that, I will not accept any late work for credit.

In Class Practice

We will occasionally have a set of in class practice problems. You will receive 1 extra credit point towards your homework score for each of these days. However, you must be in attendance at the start and end of class on that day to receive this point.

Expectations

Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered or handed out on days you were absent. Please bring a calculator to each class meeting. You are responsible for any announcements made in class regarding homework, exams, and quizzes. Handouts from class will be available from me and at www.cwu.edu/~bisgardj/teaching.html.

Students who have special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact me or the office of Disability Support Services at (509) 963-2171 for additional disability-related educational accommodations.

Important Dates

April 1 - Last Day for Add/Drop

April 17 - first mid-term

May 8 - second mid-term

May 10 - uncontested withdrawal deadline

June 6 - final exam