

**Spring 2009**  
**Math 130.005 Finite Mathematics**  
**Bouillon 110, 10:00 - 10:50**

**Instructor:** Dr. Jim Bisgard

**Phone:** 963 - 2823

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

**Office:** Bouillon 118

**E-mail:** [bisgardj@cwu.edu](mailto:bisgardj@cwu.edu)

**Office Hours:** Monday - Thursday 1:00 - 2:00,  
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*, Thomson Learning

**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 each of the first and second exams and 25% for the 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 22, the second mid-term will be May 13 and the Final Exam will be on Wednesday, June 10. 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!

### 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 3:00 p.m. two days after being handed out. (So, a quiz handed out on Tuesday will be due at 3:00 p.m. 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 by 3 p.m. (For example, the problems from April 1, 2, 3, 6 and 7 will all be due on Friday April 10.) If you are unsure of what problems have been assigned, you should check [www.cwu.edu/~bisgardj/teaching.html](http://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 a first quiz or homework (but not both) for full credit. However, you must turn this quiz or homework in within two class days of the due date. I will accept a second late quiz or homework (but not both) for half credit only once. Again, this quiz must be turned in within two class days of the due date. After that, I will not accept any late work. You may also be excused from a quiz if you have proof of a compelling reason.

## **In Class Practice**

We will have set of in class practice problems every week. You will receive 1 extra credit point towards your quiz 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](http://www.cwu.edu/~bisgardj/teaching.html).

Finally, *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 6 - Last Day for Add/Drop

April 22 - first mid-term

May 13 - second mid-term

May 15 - uncontested withdrawal deadline

June 10 - final exam