

Bouillon 110 10 AM daily  
INSTRUCTOR: Dale Width Bln 121  
OFFICE HOUR: 11 AM daily  
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Text: Finite Mathematics, Owen and Cutlip. Answers to even-numbered exercises are available.

Schedule:

Chapter 6	Introduction to Counting & Probability	First two weeks
Chapter 7	Permutations, Combinations, Tree Diagrams	Weeks 3 and 4
Chapter 8	Random Variables	Weeks 5-7
Chapter 9	Statistics	Week 8 and 9
Chapter 10	Games; also final review	Last two weeks

Final Exam: Tuesday, June 5 at 8 AM - - - NO EXCEPTIONS. If this will be a problem, please enroll in a different section. Check with Safari for changes.

Student Learning Objectives: The student who successfully completes this course will be prepared for beginning statistics courses. An ability to work with and understand methods and concepts from probability and statistics will be acquired. The student will gain fluency in working with numerical and mathematical concepts and will be able to apply them to life situations.

This syllabus sets out my expectations for the classwork that will determine your grade. It is most important that you read and understand it. Ask questions if you need to. Keep it for reference. If you have special needs or requirements to facilitate your progress you need to make arrangements with me as soon as possible.

This course studies probability and some beginning statistics. Finite math satisfies the reasoning requirement for graduation. It is a preparation for statistics courses and for a number of majors. It also presents material that has applications in daily life.

Mathematics is like a foreign language. The only way to gain the skills required for success is through practice. It requires a LOT of time. If you have other commitments that will demand much of your time, you may have problems successfully completing this course. Homework is strictly YOUR responsibility. You are here because you choose to be. Lack of effort will result in a waste of YOUR time and money!

We will move FAST. Tests will be weekly, or nearly so. The primary resource is class. BE THERE! It will be your responsibility to catch up if you aren't. Attendance is not required, but about 10 quizzes will be given at random for the benefit of those of us who regularly show up.

Other resources are used. The textbook is most important. You will be working lots of problems. Another is your classmates. Group studying is recommended; study groups will be organized early on. ASK QUESTIONS! If you do your homework, you will be able to.

Some knowledge of algebra is necessary. There are some algebra problems on the reverse of the syllabus. Try them. If they prove to be intimidating, you may need to consider the need for more preparation. A simple calculator, with memory and square root functions, is required.

You may withdraw through May 9. It will be hard to improve your grade after this date, and withdrawal becomes nearly impossible. Incompletes will NOT be given! Plan now so that your grade does not threaten your financial aid.

If you have any requests to allow for special needs, let me know as soon as possible.

There will be about 8 half-hour tests worth 10 points, about 10 two-point quizzes, and a 30-point final for a total of about 130 points. Grades are based on percentages and are earned as follows: **95 and above, A; 92-94, A-; 88-92, B+; 83-87, B; 80-82, B-; 77-79, C+; 73-76, C; 70-72, C-; 60-69, D.** The lowest 10-point test will be dropped; no other makeups will be allowed except for compelling reasons and unless cleared in advance. You will get to make up one two-point quiz.

An important requirement for this class is mutual respect. I respect your presence in this class; you, in return must respect our presence and the learning process taking place in our classroom. Rude behavior will not be tolerated. Your attention and effort is **mandatory** to make this class a success.

Algebra assessment quiz for Finite Math.

1.  $0.35 + 0.15 + C = 1$ .  $C = ?$

2. 2% times 5% = ?

3. 0.6 times  $X = 0.4$ .  $X = ?$

4. Solve for  $P[A]$ :  $P[A] / P[B] = P[C]$

5.  $(0.2)^4 = ?$

6.  $a + b + c + d = 1$ .  $a = b = c$  and  $d = 2c$ .  $a = ?$

7. Evaluate  $8 / \sqrt{n}$  for  $n = 4$ .