

Math 130: Finite Math

Meeting Daily 10:00 – 10:50 in Hertz 122

Instructor: Tim Brown

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Office Hours: 2-3 PM Daily (and by appt.)

<https://sites.google.com/site/timbrowncwuwebsite/>

Description: Finite math is a 5-credit introductory course on probability and statistics. It is designed to prepare you for further courses in statistics, generally offered in contexts specific to your field or major. It also satisfies the General Education “Basic Skills (D)” requirement. The topics we cover will include the language of sets, counting procedures, probability, decision-making, and introductory statistics. You will be expected to apply skills and ideas to problem-solving scenarios in addition to simply learning procedures.

Time: The general rule of thumb for college is 2 hours outside of class for each hour in class. Expect to spend 10 hours per week besides class time to be successful (some may need more, some less....) You choose to succeed or not largely by how you choose to spend time and energy. Plan ahead and make sure you have time available.

Expectations:

Uni-tasking! The (lost) art of doing one thing at a time, focusing, and doing it well. Turn off your phones, ipods, ipads, cortical implants, etc. during class... She will still love you in 50 minutes. The birds will still be angry. Some people will still call him Maurice. The fruit will still need to be ninja-ed. If you are here, be truly here.

Attendance, participation, homework. No one who consistently shows up, does their work, and gets help as needed fails my classes. This isn't a separate policy, it just works out that way. Be here, pay attention, ask questions, do your work, and you will succeed. If you must be gone, you are responsible to access my website for information, and keep up with the work.

Helpful hint: Read the book. Really. This one is actually readable. It will give you additional examples and a slightly different approach to explaining the concepts from what you get in class. Seeing the same idea two different ways can be a big help. Also, some homework will refer back to text examples.

Respect yourself: Believe your education is important enough to put forth the effort. Your future is worth investing in.

Respect others (real or simulated respect) – me, classmates, the school, etc. Honesty is an absolutely essential part of that.

Materials:

- A scientific calculator is required. Smart phone apps will not do, as you can't use a phone during quizzes and tests (hopefully for obvious reasons). It needs to have probability features like permutations and combinations. I can generally help with TI-83 or TI-84 models.
- Text: Finite Mathematics: Introductory Probability and Statistics by Owen and Cutlip.

Grading:

- 20% Final Exam
 - 40% Chapter Tests
 - 20% Quizzes
 - 10% “Perfect Practices”
 - 10% Homework Completion
- 90% - 100% = A
80% - 90% = B
70% - 80% = C
60% - 70% = D
+ and – grades apply if your score is within 2%.

Homework is assigned almost every day, and needs to be done that day. Attendance and participation are essential, and practicing the skills and concepts promptly is the only way to be confident of success. You will turn in a notebook (or loose-leaf pages stapled together) of your homework for each chapter on the day of the

