

Important Course Information

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1 Introduction

This is an in-person course, but up to 25% of the materials may be delivered in a distance learning format (online). **This means we will have scheduled meetings twice a week throughout the semester.** Additionally, some class meetings will be conducted online through assignments, readings, and practice exercises. If a class meeting is offered online, you will be notified at least one week in advance.

1.1 What Are You Expected to Do Every Week?

You are expected to accomplish learning goals by following the clearly laid-out weekly learning schedule on the course webpage. Specifically, your weekly learning tasks include:

- Studying the Weekly Note.
- Practice (not simply read) all examples in the note and the Online Multiple-Choice Problems:
Tip: Treat all multiple-choice problems as if they were “show-your-work” problems. Solve them step by step, and then use your reasoning to select the correct answer. Click the “answer” button to view the correct answer and explanation only after completing your work. Use this online material wisely and responsibly. Using an Appropriate ISLA (Interactive Statistical Learning App):
- Use ISLA to verify your work and ensure your statistical reasoning is accurate. If your answers differ from those produced by the app, review your work carefully to identify errors. This approach is an effective way to debug your thinking and deepen your understanding of the material. Seeking Help When Needed:

- If you have difficulty understanding certain concepts or examples, take note of them and reach out to me directly or work with the excellent tutors at MLC. Remember, you can succeed regardless of your prior mathematics experience. Challenges are a natural part of the learning process. Seek help from me, tutors, or peers, and never give up! Completing the Weekly Quiz on D2L:
- *Complete weekly homework assignment.* Weekly Quizzes are available at **12:00 PM every Thursday** and **due at 11:30 PM the following Sunday**. You have three and a half days to complete the quiz, which will be automatically graded by D2L.
- **Additional Information About Weekly Quizzes:**
 - Each weekly quiz contains 10–15 multiple-choice questions. There are no show-your-work problems.
 - Every student will receive a unique version of the quiz with the same number and difficulty level of questions.
 - You are allowed three attempts per quiz, and your highest score will be recorded.
 - If you reattempt the quiz, **you must restart the entire quiz (not just the questions answered incorrectly on previous attempts)**.
 - The key to the master problem set, which the quiz is based on, will be posted on the course webpage every Monday. Use it to practice and prepare for your midterms and final exams.
 - If your answers differ from the suggested answer key and you cannot identify the issue, please reach out for help as soon as possible. *However, if your answer is very close to one of the given choices, please select the closest option, as any slight difference may be due to rounding errors*
 - There are no time limits for completing weekly quizzes. You may use any resources available while working on the assignments.

2 Policies, Resources, and Expectations

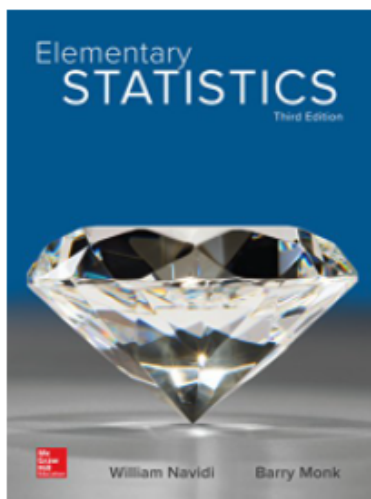
Course policies and expectations on exams and assignments are outlined in the syllabus that is also available online at: <https://pengdsci.github.io/MAT121/w00/MAT121-Fall-2023.pdf>

3 Logistics

I provide comprehensive lecture notes and have developed 17 interactive statistics learning apps specifically for this class. As a result, you are **NOT** required to purchase any additional materials or devices to complete the course. All that is needed is your commitment to studying the weekly materials and practicing problems through the online exercises.

3.1 Textbook (Optional)

Elementary Statistics, by Navidi and Monk, 3rd edition.



Everyone has already been charged for the above eBook. You can opt out of the required eBook and get a refund.

3.2 Interactive Statistics Learning Apps (ISLA)

I have invested considerable effort into creating a variety of graphics in the notes and eBook to help you visualize the material whenever possible. Additionally, I've developed interactive apps, **ISLA**, that accompany the topics covered in the lecture notes. These apps are organized as standalone sections under the **Use of Technology** heading to further enhance your understanding of the content.

Since you've already paid for the textbook, if you choose to continue using it as a primary reference (which I highly encourage), you can access it via **Inclusive Access** on D2L.

3.3 Calculators and Technologies

Graphical calculators are not required for this class. We only use them occasionally for simple calculations. As such, you should have a basic scientific calculator capable of performing the four basic operations ($+$, $-$, \times , \div) and square roots (\sqrt{x}).

The **ISLA** app can be used as a statistical calculator. You may use it to verify your manual calculations, and I also use it to check results in the lecture examples.

4 Components of Course Grade

As stated in the syllabus, the course grade will be calculated based on weekly quizzes, three midterm exams, final exams, and attendance.

4.1 Weekly Assignments (also known as Weekly Quizzes)

To ensure a fair assessment of your learning outcomes, you will complete weekly quizzes (i.e., weekly homework assignments) in addition to the exams. These quizzes will be administered through D2L and can be treated as weekly homework assignments. For detailed information about the quizzes, please refer to the opening section of this note.

4.2 Midterm Exams

There will be three in-class midterm exams during the semester. The dates of these exams are listed on the course webpage. There will be no make-up exams. If you miss a midterm due to legitimate reasons, I will use your raw score on the final exam to replace any missed midterm exam score(s).

The answer key for each midterm will be posted on the course webpage shortly after the exam date.

I may curve the midterm scores based on the overall performance of the class, if necessary.