# Welcome to

Today’s Goals

The People You’ll Be Working With

Course Expectations Logistics

# About me (Dr. Alyssa Lytle)

- Originally from Orlando, FL
- Married name Lytle
- PhD @ UNC 2022
- No coding experience until I took my first college class!


# Your TAs!

Viktorya (she/her)

Ivy (they/them)

Jack (he/him)

# Course Expectations

# Zero Programming Experience Expected

- This course assumes *no* prior programming experience

(But some experience is OK!)

- COMP110 is a ***rigorous*** introduction to programming.

# Course Objectives

- You will learn the **fundamentals of programming**
  - Using common tools and techniques used by software engineers
  - These concepts are universal and apply to nearly all programming languages
  - You will leave knowing what it feels like to be a programmer
- You will gain practice with **computational thinking**
  - **Thinking algorithmically** while breaking down problems step-by-step
  - Thinking at varying levels of **abstraction** by describing problems & solutions abstractly and precisely

# Course Logistics

# Course Website

https://comp110-25ss.github.io/

(Syllabus is on there!)

# Grading Breakdown

- Prepare:
  - (LS) Lesson Responses: Mult. choice to learn basic concepts
  - (RD) Reading Responses: Mult. choice + free response readings
  - (CQ) Challenge Questions: Short-form coding questions
  - (EX) Programming Exercises: Long-form coding projects
- Demonstrate Mastery:
  - (QZ) 4x Quizzes: Paper and pencil
  - (FN) Final Exam: Paper and pencil

# Grading Breakdown

- Prepare + Practice:
  - 5% - (LS) Lesson Responses
  - 5% - (RD) Readings
  - 5% - (CQ) Challenge Questions
  - 35% - (EX) Programming Exercises
- Demonstrate Mastery:
  - 40% - (QZ) 5x Quizzes
  - 10% - (FN) Final Exam

# Quizzes

Released 12 am on quiz day.
You can start any time with 24 hours.
90 minutes to complete.

*NO MAKEUPS!*

All dates are online!
For full policies, see syllabus.

# CQs, Exercises, + Autograding

- You can re-submit to the autograder without penalty before the due date
- If you do not get full credit - stop and think about what might be causing a test to fail. Try again!
- Be careful to avoid a frustrating loop of "tweak one small thing, resubmit, tweak one small thing, resubmit, ..."
  1. See if you can reproduce the error
  2. The autograder gives you feedback!
  3. If you find yourself stuck in this loop, stop by office hours.
- *“Brute-forcing” homework can hurt you in the long run!!!*

# Programming is a Practiced Skill

- Like playing an instrument, painting, writing cursive letters, dancing, singing, sports, wood working, quilting, and so on.... **Time spent *individually practicing* is the key to success.**
- This is *very different* from courses that are knowledge-based!
- The team and I want you to succeed in learning how to program, so we structure everything we do toward helping you practice individually.
- *Know what every line of your code is doing!*

# Use of AI

- AI tools like ChatGPT can be very useful in programming, but it takes a trained eye to use them properly!
- In this class, *you are training your eyes* to learn the fundamentals, so using AI will only hinder your understanding and won't strengthen you as a programmer!
- *Considered a violation of the honor code.*

# Feedback + Help

Feedback is always welcome!

For help, you can post your questions on EdStem!

# Office Hours

- Office hours are remote
- Find info on website under “support”
- Today (Monday) and tomorrow (Tuesday), office hours will be held 9am - 3pm and 5pm - 8pm

# Homework!

- Read Syllabus and Support on Course Page
- Respond to Lesson 00 (LS00) Gradescope Questions
  - Due Wednesday at 11:59pm
- Course Setup
  - Come to office hours for help!