

Enrolled or on waitlist?

Welcome to

COMP
110

Not enrolled or on waitlist?

*You can join the waitlist for
COMP 110 (Section 004)!*

Today's Goals

Introductions

What is the course about?

What are the instructional and workload expectations?

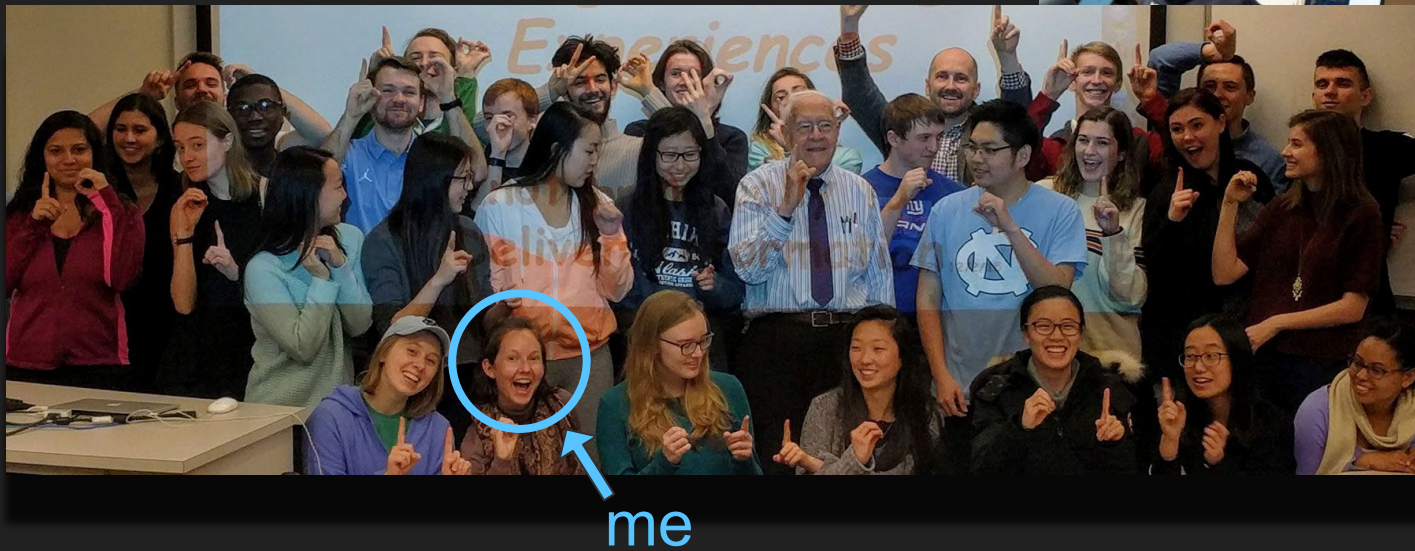
Logistics?

Homework

An Introduction to Coding

About me (Dr. Isabella (“Izzi”) Hinks)

- Originally from Apex, NC
- Undergrad at UNC!
- COMP110 student → **UTA**




About me (Dr. Isabella (“Izzi”) Hinks)

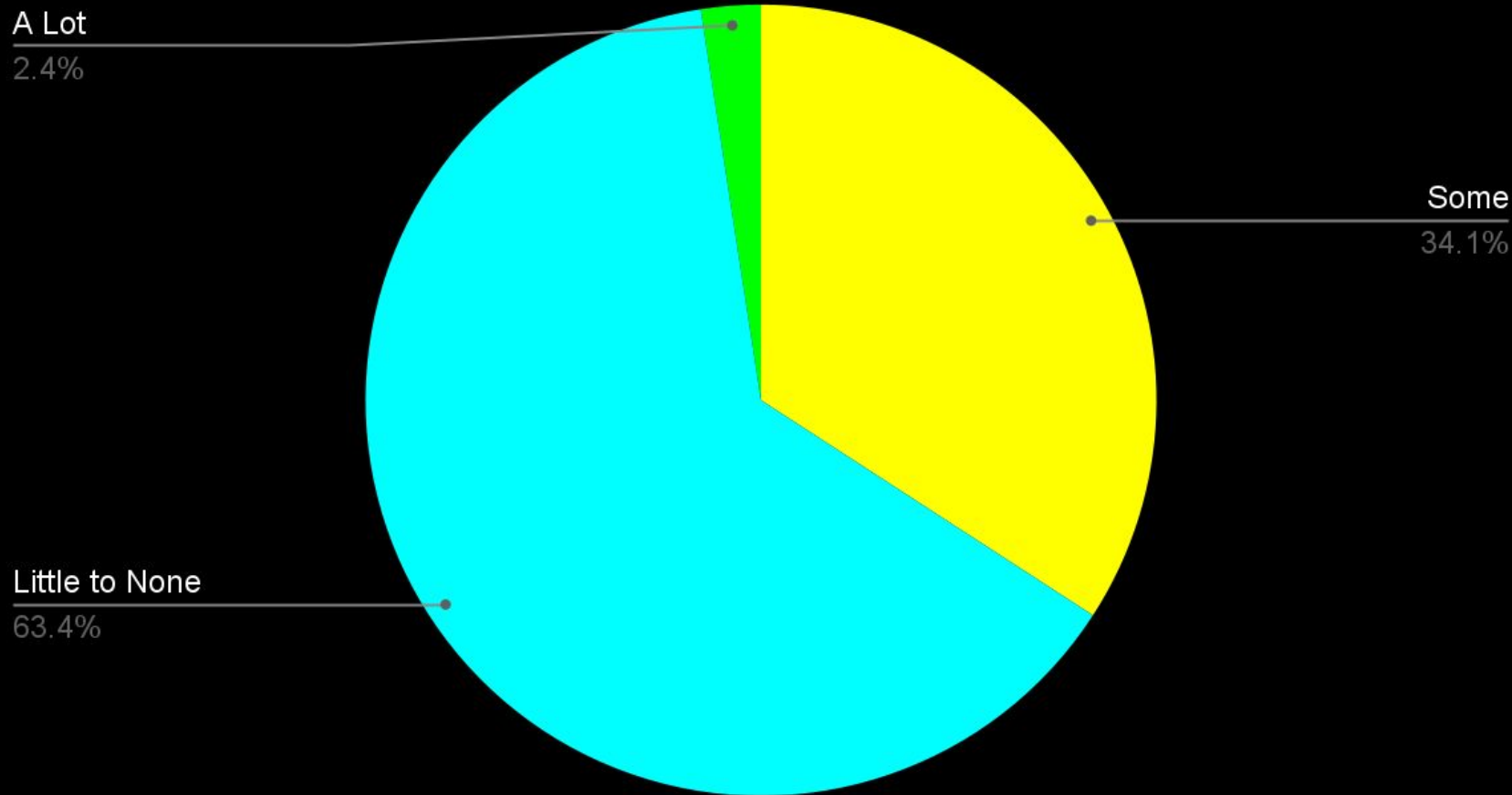
- Originally from Apex, NC
- Undergrad at UNC!
- COMP110 student → UTA → work, grad school... → **Professor**
- PhD @ NC State University



Your UTA Team!

- This course would be **impossible** for all of us, if not for them
- THE absolute best UTA team at Carolina. You will  them
- This team can do it all: they'll help teach you concepts you're struggling with, guide review sessions, create study guides, build exercises, and more
- You will be assigned 2x UTAs who are your personal leads
- Drop-in, in-person office hours will be available to you for over 36 hours per week starting Monday!

TA's coding experience before taking COMP110



You are a capable and diverse group!

- Who is coming into this course with *no programming experience*?
 - *A little experience?*
 - *A lot?*
- Who is *not* majoring in computer science?
 - *Who is?*

Zero Programming Experience Expected

- This course assumes *no* prior programming experience

(But some experience is OK!)

- COMP110 is a ***rigorous*** introduction to programming.
 - 3 hours of lecture/lessons per week
 - and ~9 hours of practice / course work

Open House this Tuesday – Friday

- 12-5 pm
- Sitterson Hall (SN) - Go downstairs to SN008
- Get help installing course software!
- Introduce yourself and meet some great people on the team!



Course Objectives

- You will learn the **fundamentals of programming**
 - Using common tools and techniques used by software engineers
 - Universal concepts that **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
- *Full curriculum linked in syllabus!*

Course Website

<https://comp110-24f.github.io/>

(Syllabus is on there!)

Grading Breakdown

- Prepare:
 - **10%** – (LS) Lesson Responses: Mult. choice re: basic concepts
- Practice:
 - **10%** – (CQ) Challenge Questions: Short-form coding questions
 - **30%** – (EX) Programming Exercises: Long-form coding projects
- Demonstrate Mastery:
 - **40%** – (QZ) 5x Quizzes: Paper and pencil
 - **10%** – (FN) Final Exam: Paper and pencil

Quizzes

Quizzes are *in person*, with *pencil and paper*, during your section's lecture time. You are only permitted to be absent for *one quiz*.

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. The autograder gives you feedback – see if you can reproduce the error!
 2. If you find yourself stuck in this loop, stop by office hours (SN 008)

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.

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!*

How do *you* believe programming will be valuable toward achieving *your* personal goals?

Why are you in this course?

Think for a minute, introduce yourself to your neighbor(s) and discuss, then we'll share.

Office Hours

- Official Office Hours begin Monday, Aug 26
- Hours are on the website
- We use Course.Care (sign up info on website under “resources”!)
- General Rules:
 - Must submit a ticket to be seen
 - Limited to 15 minutes and one specific question per appointment
 - Completely lost? *Try tutoring!*

Office Hours Check-in Process - Starting MONDAY

Click on "Get Help" on the course home page

INTRODUCTION TO PROGRAMMING

COMP110

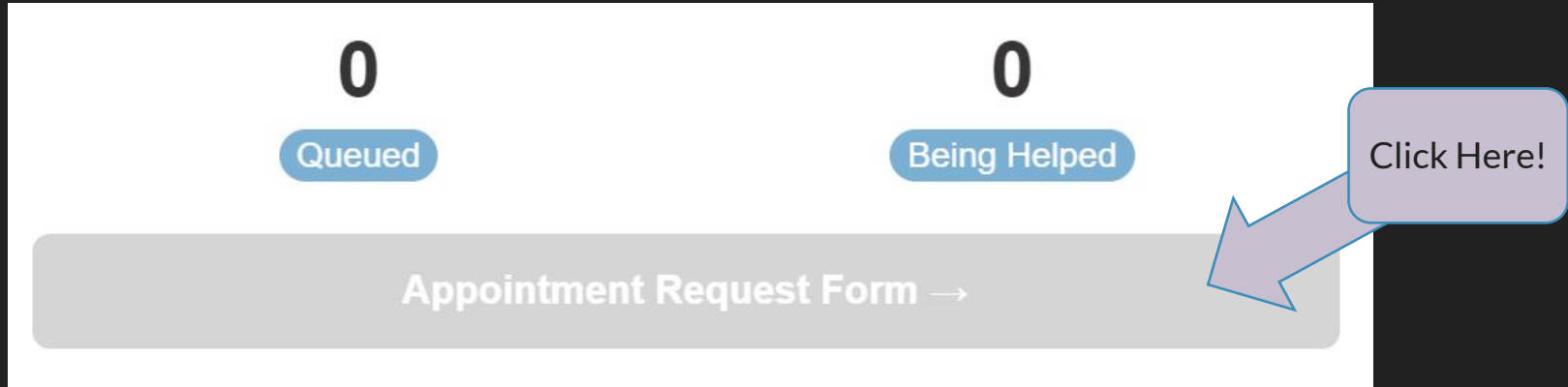
Office Hours

When	Now until 8:00pm
Where	<u>SN008</u>

Check in

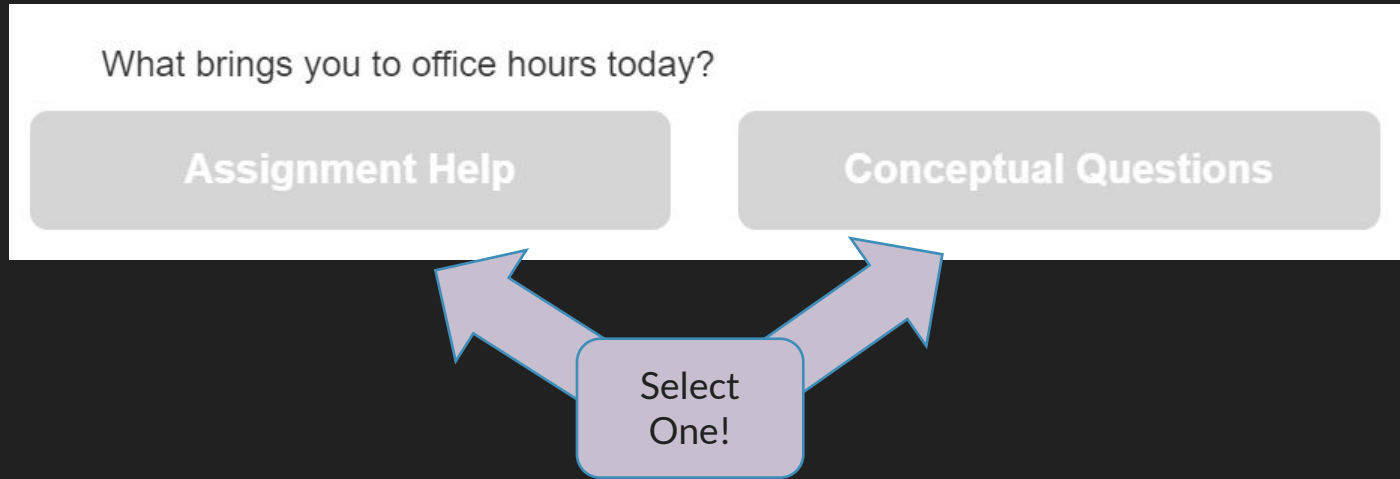
Click Here!

Office Hours Check-in Process



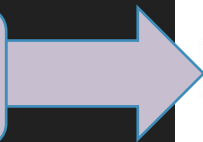
You can see how many people are currently being helped waiting to be helped.

Office Hours Check-in Process



Office Hours Check-in Process

Fill In



1. What section of the assignment do you need help with?

2. Describe in English what are you trying to express in code:

3. What concepts do you need to use to solve this problem?

4. What have you tried? Why do you suspect it didn't work?

Disclaimer: Your help request will be cancelled if you cannot provide meaningful responses to each question.

Cancel

Get Help →

IMPORTANT: You must demonstrate *effort and thought* in these fields. If you do not, the TAs are instructed to cancel your request so you can try again.

Office Hours Check-in Process

Appointment Request

You're up next! A COMP110 team member will call your ticket soon :)

You must show up within two minutes or lose your spot in line.

Cancel Appointment

Office Hours Check-in Process

Kris is ready for you!



Come on in to SN008! You must show up within two

minutes or lose your spot in line.

Cancel Appointment

Tutoring

- Best for longer-form help (> 15 mins) and conceptual questions
- Official days/times will be announced on the course site

Feedback + Help

Feedback is always welcome!

For help, you can post your questions on EdStem or email
comp110help@gmail.com