**CSCI 1470.3 Classroom Notes and Demonstrations**

8/18/2025

Need to access Canvas frequently.

Open course page: <https://dcm.uhcl.edu/yue/courses/csci1470/Fall2025/>

1. [Classroom Demonstration](https://dcm.uhcl.edu/yue/courses/csci1470/Fall2025/demo.html): demonstration files developed during the lecture.

* May visit the classroom demonstration at the end of the lecture for further study.

How to start a program in the right way?

DO you encourage the use of AI?

Some common programming mistakes?

Ailge software development? Thumb up or down?

Instructor: My regular office hour will be held o8/18/2025 to 11/24/2025: MW 11:20AM to 11:50AM, 2:50PM to 3:45PM. They will be conducted in person (Delta 163)

Q: can I come to your office other than the office hours?

Action item:

* subscribe to zybook.  
  Familiar with zybooks.

We will be using an interactive textbook from zyBooks this semester. Here is a video that explains more about “What is a zyBook?” <https://vimeo.com/285133146/48bc90afb5> You can purchase this book from the bookstore or you can purchase it directly from zyBooks by following these steps:

1. Sign in or create an account at learn.zybooks.com
2. Enter zyBook code: UHCLCSCI1470YueFall2025
3. Subscribe

* If you paid the UHCL book store, just put in the UHCL code sent to you through an email. Don’t pay again.

zyBook: CSCI 1470: Computer Science I  
zyBook code: UHCLCSCI1470YueFall2025  
zyBook ISBN:979-8-203-02909-6

**Intro to CS 1:**

**1. Promotion**

* This course is (hopefully) one of the more useful CS courses for students.
* Programming is essential for computing careers.
* Python is very popular.

<https://www.tiobe.com/tiobe-index/>

| **Aug 2025** | **Aug 2024** | **Change** | **Programming Language** | | **Ratings** | **Change** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 |  | Python page | Python | 26.14% | +8.10% |
| 2 | 2 |  | C++ page | C++ | 9.18% | -0.86% |
| 3 | 3 |  | C page | C | 9.03% | -0.15% |
| 4 | 4 |  | Java page | Java | 8.59% | -0.58% |
| 5 | 5 |  | C# page | C# | 5.52% | -0.87% |
| 6 | 6 |  | JavaScript page | JavaScript | 3.15% | -0.76% |
| 7 | 8 | change | Visual Basic page | Visual Basic | 2.33% | +0.15% |
| **8** | **9** | **change** | **Go page** | **Go** | **2.11%** | **+0.08%** |

A screenshot of a computer

AI-generated content may be incorrect.

**2.General Learning Suggestions**

* Everyone is different and unique in learning.
* Engagement and learning by doing.
* Teaching is an excellent way of learning: help your classmates.
* Prepare your own notes: the best notes for you are written by yourself
* Consider crowd learning.
* Come to my office often, especially in groups.
* Please consider forming the habit of listening carefully and asking a lot of questions.

How do I learn? Try to optimize learning.

1. I like visual learning: concrete examples, video (Youtube)
2. Hands-on learning: doing by myself.

**3. How to be successful in the course**

**General Professionalism:**

1. Attitude
2. Be considerate.
3. Be helpful and useful to others.
4. Be a good listener.
5. Be responsive.
6. Hardworking
7. Attention to details.
8. Focus: uni-tasking