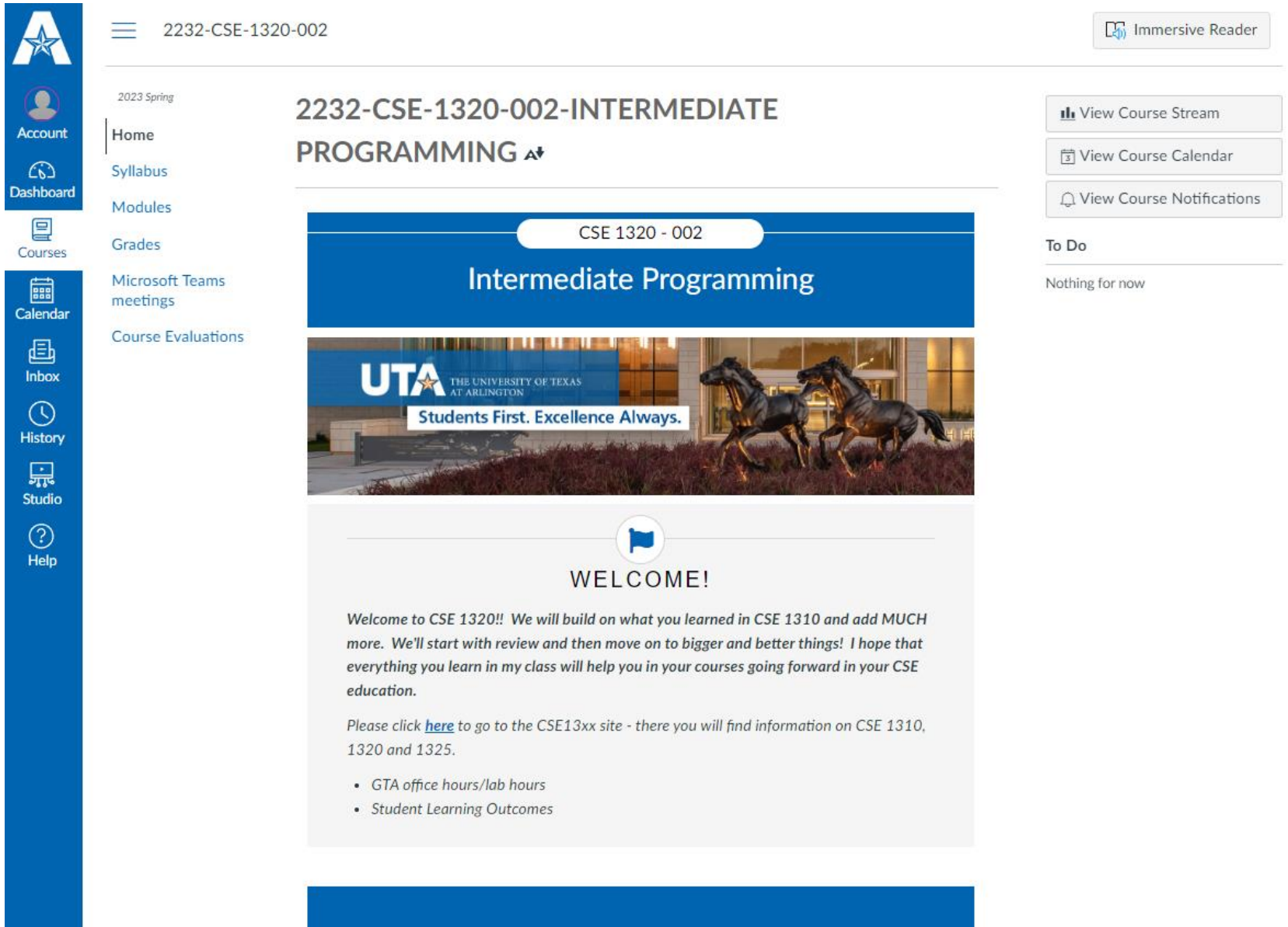
CSE 1320

Week of 01/16/2022

Instructor : Donna French

Canvas


2232-CSE-1320-002
Immersive Reader
Account
Dashboard
Courses
Calendar
Inbox
History
Studio
Help
2023 Spring
Home
Syllabus
Modules
Grades
Microsoft Teams meetings
Course Evaluations
2232-CSE-1320-002-INTERMEDIATE PROGRAMMING
CSE 1320 - 002
Intermediate Programming
UTA THE UNIVERSITY OF TEXAS AT ARLINGTON
Students First. Excellence Always.
WELCOME!
Welcome to CSE 1320!! We will build on what you learned in CSE 1310 and add MUCH more. We'll start with review and then move on to bigger and better things! I hope that everything you learn in my class will help you in your courses going forward in your CSE education.
Please click here to go to the CSE13xx site - there you will find information on CSE 1310, 1320 and 1325.
GTA office hours/lab hours
Student Learning Outcomes
View Course Stream
View Course Calendar
View Course Notifications
To Do
Nothing for now

Syllabus

CSE 1320 – Intermediate Programming

Spring 2023

Instructor Information

Instructor	Donna French
Office Number	ERB 652
Office Phone	817-272-0161
Email Address	donna.french@uta.edu (best way to contact me)
Faculty Profile	https://mentis.uta.edu/explore/profile/donna-french
Office Hours	Tuesday, Thursday 1:00 pm – 3:00 pm

All office hours are online in Teams (go to Chat and type in my name) and in person. I have advising office hours from 3:00 PM to 5:00 PM on Tuesday and Thursday and will not be available during those times. Appointments available at other times by request.

Syllabus

Course Information

Section Information

CSE 1320 Section 002

CSE 1320 Section 006

CSE 1320 Section 007

CSE 1320 Section 008

Time and Place of Class Meetings

008	Monday, Wednesday, Friday	9:00 AM – 9:50 AM	WH311
002	Monday, Wednesday, Friday	1:00 PM – 1:50 PM	SWSH225
006	Monday, Wednesday	2:30 PM – 3:50 AM	NH111
007	Monday, Wednesday	4:00 PM – 5:20 PM	NH111

Lectures will be presented in person and online synchronously via Teams. All lectures are recorded.

Syllabus

Description of Course Content

Programming concepts beyond basic control and data structures. Emphasis is given to data structures including linked-lists and trees as well as modular design consistent with software engineering principles.

Student Learning Outcomes

A full listing of the Student Learning Outcomes can be found at http://mavsuta.sharepoint.com/sites/cse13xx

Course Objectives

- More in depth coverage of the C programming language
- Exposure to more advanced data structures
- Learn to use the Linux operating system

Textbooks and Other Course Materials

C By Discovery 4th Edition Foster & Foster ISBN 13 : 978-1-576-76170-0

Purchasing the textbook is not required or necessary. All materials will be given in class.

Syllabus

Descriptions of Major Assignments and Examinations

Coding Assignments – assigned and due approximately every two weeks

Online Quizzes (OLQs) – assigned and due every week of class

Homework – assigned and due approximately every two weeks

Crash Course Quizzes – assigned and due weekly for 12 weeks

Syllabus

Grading Information

Homework Policy: Programming is learned by doing – not just by reading about it or listening to someone talk about it. How well would you play a sport or a musical instrument if you only read about how to play or listened to someone lecture about how to play? There will be coding assignments and homework assignments almost every week. You will not be able to pass this class with a C or better unless you do the coding assignments. The homework assignments are to reinforce the in class presentations and will serve as your study guides for the quizzes.

Since all Homework will be submitted via Canvas, you will have 24 hours after the due date/time to submit your work, but it will incur a 50% penalty. PLEASE remember that 50 points out of 100 is better than ZERO.

Please note – Coding Assignments that do not compile or compile with ANY warnings using a newer version of gcc (9.4.0 or newer) will be assigned a grade of 0 automatically. No partial credit will be given for code that does not cleanly compile. Code must run in order to be tested/graded. A penalty of 5% will be applied for each day a Coding Assignment is turned in late up to 50% off.

Syllabus

While I do encourage students to work together on understanding Coding Assignments, I expect every student to do their own work and turn in their own code. Coding Assignments are checked for similarity – any student's code that is determined to be too similar to another student's code submission will be assigned a -100 for the first offensive and will be referred to the Office of Student Conduct for any subsequent incidents. This policy will be applied to all students involved – does not matter if you are copying someone else or allowing someone else to copy you.

Any assignment from this class that is found posted on the web in any format will be voided for all sections and a new coding assignment will be assigned to all students unless the student who attempted to cheat via the web is identified.

Syllabus

Grading Policy: Letter grades will be assigned as follows: 90-100 = A, 80-89.4 = B, 70-79 = C, 60-69 = D, 0-59 = F. 89.5 will be rounded to 90 and 79.5 will be rounded to 80 and 69.5 will be rounded to 70 and 59.5 will be rounded to 60.

Final Exam (FEQs)	10%
Homework/Crash Course	10%
Coding Assignments	10%
Online quizzes (OLQs)	60%
Skills Assessment Test	10%

Syllabus

Online quizzes (OLQ) will be given weekly. These quizzes will cover material presented in lecture, material from Homeworks and will cover concepts from the Coding Assignments. You are expected to do your own work and keep up with the assignments in order to prepare for the OLQs.

The OLQs will be available online in Canvas on Tuesday at 6:00 PM and will be due Wednesday by midnight CST. The OLQs use a bank of test questions which means there are multiple versions of every questions. Students who cheat by obtaining answers from students who have already taken the quiz or from previous quizzes will receive a -100 points for the quiz.

All OLQs will require the use of Respondus Lockdown Browser and Monitor. If your laptop/desktop does not have working web camera, then you will be able to use your cell phone camera. Instructions for setting this up can be found in Canvas. The recordings of the quizzes are flagged by Respondus for suspicious behavior and the instructor/GTAS do review all videos. Any suspicious behavior will be automatically reported to the Office of Student Conduct.

Syllabus

Respondus Lockdown Browser and Monitor Tips: Before beginning a test in Lockdown Browser, please take the following steps:

Use a wired Internet connection if possible as it is most reliable

Position your computer as close to your wireless router as possible to boost signal strength

Upon opening your course in Lockdown Browser, click the Help Center button to test your system and resolve issues before beginning the test

If you encounter issues with your webcam, please use the "Respondus Monitor Live Chat" feature

Your online exam time behavior should be the same as if you are in a classroom taking an exam – no headphones, no talking out loud, no interactions with other people, no outside resources, only blank scratch paper. Any violations of this behavior will result in a -100 on the quiz.

Syllabus

No make-up exams will be given except for extenuating circumstances beyond the student's control (in the instructor's opinion). Test your Internet connectivity prior to the quiz. Poor planning or forgetfulness on your part won't be considered an emergency.

No make-up exams will be given except for extenuating circumstances beyond the student's control (in the instructor's opinion). Poor planning or forgetfulness on your part won't be considered an emergency.

OLQs and the FEQs will be given online and will be expected to be completed outside of class time. Students will need to schedule one hour between 6:00 PM Tuesday and midnight Wednesday to take a quiz every week. The FEQs will be given in 5 separate 30 minute quizzes throughout Final Exam week.

Syllabus

Attendance: At the University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator in student success. As the instructor of this section, I will not specifically take attendance; however, 5% of every OLQ will be earned in class; therefore, if you do not attend regularly, your grade will suffer. If you miss an OLQ for ANY reason other than a university authorized absence, you will automatically receive a 0 for that quiz. There will be no makeup quizzes unless you were absent due to a university authorized event and can provide documentation of that excused absence prior to missing class and the OLQ. Instructor reserves the right to make announcements in class only and not post the same information online.

Syllabus

Important Dates

Tuesday, January 17th	First day of classes
Wednesday, February 1st	Census date
March 13th – March 17th	Spring Break
Friday, March 31st	Last day to drop classes
Tuesday, May 2nd	Last day of classes at UTA

Syllabus

Course Schedule

Note that this is subject to change, but here are the topics I intend to cover in their approximate order. As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.

Week 1 – Introductions and tools needed for class

Week 2 – UNIX, Code Formatting, Variables, Comments, Libraries, Arithmetic Operators

Week 3 – Preprocessor, Expression vs Statements, for loop, if-else, Logical Operators, Overflow, Variable Types

Week 4 – Base conversions, Bit Operations, Bit Masks, Bit Shifting

Week 5 – Random Number Generator, Arrays, Passing Arrays to Functions, Two's Complement, Function Prototypes

Week 6 – Function Parameters, Debugging using gdb, Pointers

Week 7 – do-while, switch, continue, break, return, double indirection, makefile, libraries, include guard

Week 8 – String handling, Storage Class, Global vs Local

Week 9 - Pointer Arithmetic, Enumeration

Week 10 – Structures, Unions, Typedefs

Week 11 – Command Line Parameters, File Handling

Week 12 – Dynamic Allocation

Week 13 – Linked Lists, Stacks, Queues

Week 14 – Binary Search Trees

Canvas and Email

- I use Canvas for everything.
  - Any material presented in class will be posted on Canvas
    - Slides
    - Code examples
    - Extra info like links to software instructions
  - You will be expected to READ all announcements posted in Canvas
- I use email A LOT
  - I expect that you will check your UTA/Canvas email at least once per day
  - If you send me an email, you can expect to hear back from me within 24 hours or less unless I have announced that I will specifically be out of touch.

Skills Assessment Test

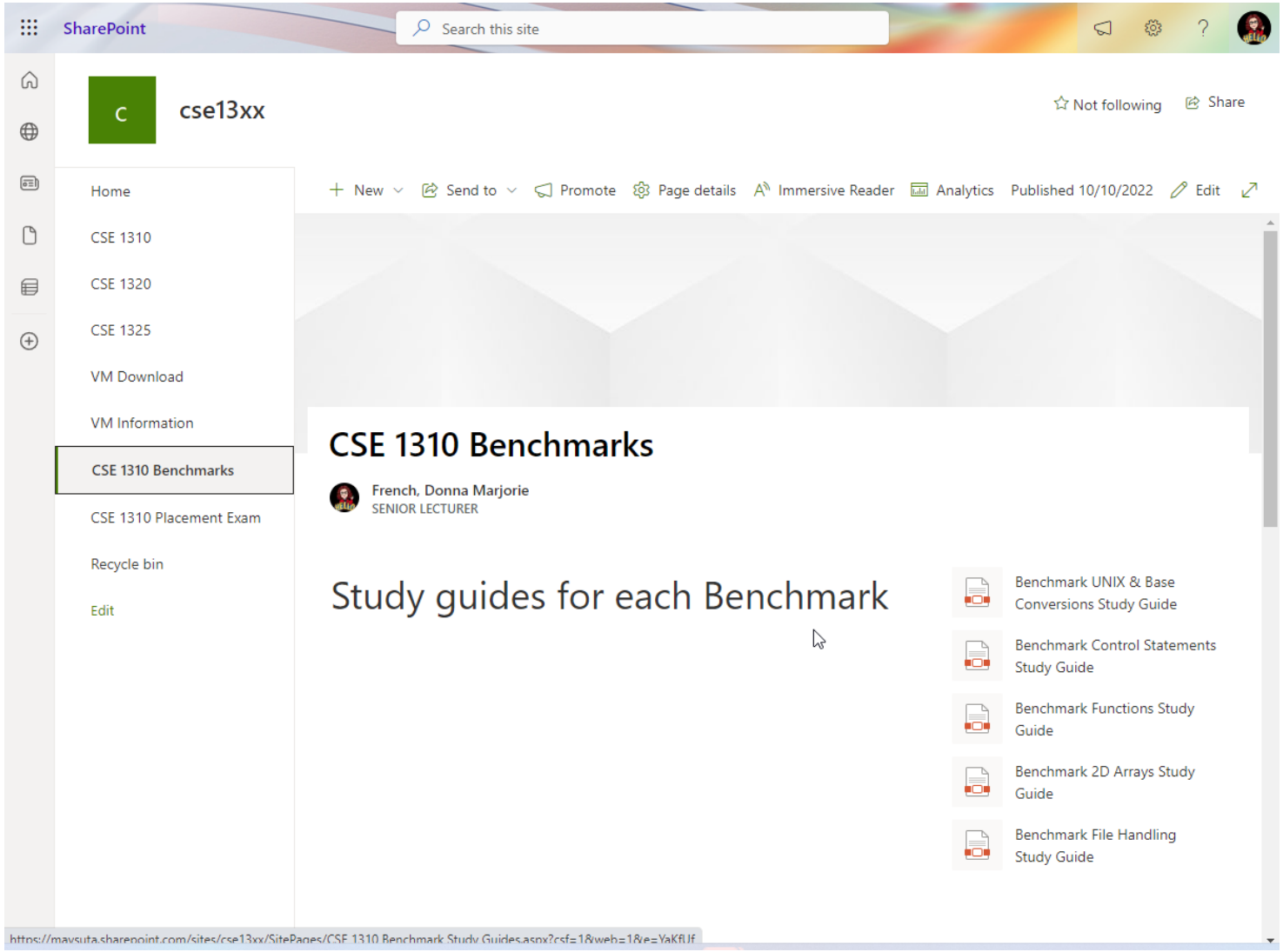
- All CSE 1320 students will take the CSE 1320 Skills Assessment Test during the first week of classes in January.

- The test is online and will be open from 6PM January 19th to midnight January 22nd. The test is worth 10% of the grade in CSE1320.

- A workshop will be held January 28th in person for those CSE 1320 students who want to retake the test to improve their grade. The workshop will cover/review the topics on the CSE 1310 benchmarks.

- Those that attend the workshop will be able to retake the test to improve their scores from 6PM January 29th through midnight on January 31st.

Skills Assessment Test



Homework

- Homework will be assigned on Mondays at noon and will be due the following Monday by midnight.
- Homework will usually consist of questions covering the previous week's lectures.
- Any homework submitted within 24 hours after the due date will incur a 50% penalty but 50% is better than 0%.
- Homework questions are taken directly from the slides, class discussion and coding assignments.
- Homework will appear in Canvas as “Quizzes” in order to make use of Canvas’s ability to automatically grade that type of submission.
- Completing and understanding the homework will prepare you for the OLQs.
- Homework is 8% of your grade.

Crash Course

- Crash Course video quizzes will be assigned on Mondays at noon and will be due the following Monday by midnight.

- Any quizzes submitted within 24 hours after the due date will incur a 50% penalty but 50% is better than 0%.

- Quiz questions are taken directly from the videos. I highly suggest you turn on Closed Captioning to get exact phrasing and spelling. Please note that using the transcript to answer quiz questions (rather than watching the video) is strongly discouraged because the transcripts are created by non-Crash Course individuals and are NOT always correct. I will not accept the transcript answer.

- Crash Course quizzes will appear in Canvas as “Quizzes” in order to make use of Canvas’s ability to automatically grade that type of submission.

- The purpose of the quiz is to verify that you have watched the video – not to test how much you already know; therefore, alternate terms will not be accepted even though they may be correct.

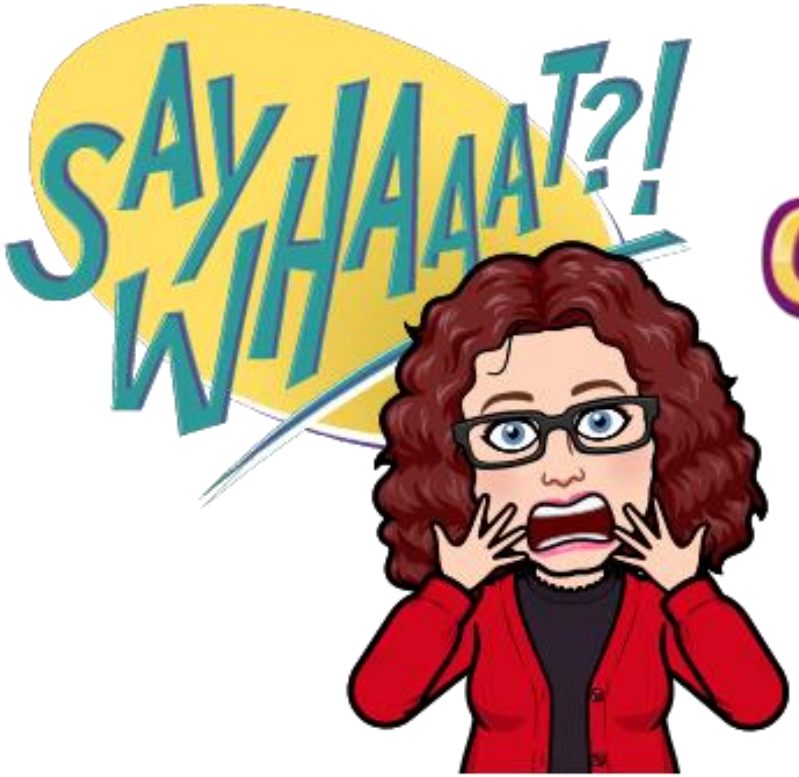
- This should be an easy 100% every time.

Coding Assignments

- Coding Assignment length – whatever day they are assigned, they will be due by midnight a week later.
- Some of the assignments will build on the previous week's assignment. They will start out easy and will get progressively harder.
- Turn in early and ask me to review. Email me what you have and ask questions. Don't get stuck.
- Coding Assignments will be graded by your assigned GTA. They will use the provided rubric to grade your programs. Review the rubric yourself before submitting your final version. **Code that does not compile or compiles with warnings on gcc version 9.4.0 will automatically receive a grade of 0.**
- Google is not your friend
  - Ask Google – find a thousand places to look
  - Ask your professor – find the right place to look

Coding Assignments

Coding Assignments are worth 10% of your grade.



ONLY 10%???

OnLine Quizzes

Weekly quizzes will make up 70% of your overall grade.

These quizzes will test your ability to read and write code.

OLQs will cover material from class and coding assignments.

The best way to study for the OLQs is to do the Coding Assignments and **understand** them.

OLQs will be open every Tuesday from 6PM to Wednesday at midnight and will take 30-60 minutes.

Final Exam

The Final Exam is 10% of your overall grade.

The Final Exam will be the same type of 2.5 hour exam that would be given in person.

The 2.5 hour exam will be broken up into 5 thirty minute quizzes called FEQs (Final Exam Quizzes).

Each FEQ will represent a portion of what would have been the Final Exam in person.

FEQs will be given 1 per day over the week of Final Exams week.