

## Syllabus

Click on the syllabus below to review your assignments for CSCE 1337-101.

- <https://info.tamtu.edu/courseslist.aspx>

## Course Assignments

Review the important assignments in this course below.

- For this course, the main idea and topic of the programming assignments is not listed in the syllabus. The deadline has not been given yet for the assignments. It is mentioned there are two types of programming assignments.
- **Single Programming Assignment**
  - This is to work by yourself to come up with a solution. You can learn to research and rely on your own work to test how much you understand to complete the assignment.
- **Pair Programming Assignment**
  - This will be a group project. The goal of the assignment is to begin understanding how to communicate with your partner for the ideas you can put together to complete the code.
  - You must ensure that you are putting in the same work and working together so that you are creating an equal work environment. Make sure to communicate with your team members so that you are ensuring that everyone is informed of any new occurrences.
- Purpose: The purpose of the programming assignments is to have an idea of the process of making medium-sized programs. It requires planning and critical thinking to make sure the program works as intended. In real-world software, you must ensure you are completing the purpose of the customer. If you fail to meet the requirements, you will fail to be a good programmer. You must begin making code that accomplishes every task in the correct manner and test so that you do not include errors. This will help you become a better programmer.

## Assignment Tasks

Follow these to complete your course assignments. Each assignment is broken down into manageable tasks. Take note of the recommended time spent to complete each task on time.

- 1<sup>st</sup> Step – Conduct an algorithm: This is the plan
  - You cannot begin making code if you do not know what the goal of the program is. Allocate about 1 – 2 days of planning so that you have an in-depth analysis of what it is you are being asked to do. Begin with some sort of documentation tool such as pen and paper or perhaps a word or google doc. There is no programmer

that can make good code in their mind. This code would be full of errors or shortcomings because they did not plan out the requirements. If you document, it will be easier to notice faults and fix any logical mistakes.

- 2<sup>nd</sup> Step – Begin planning the implementation of the code: Think of how to make the code and what you will use to perform the plan actions
  - This should take around 2 – 3 days. The reason for this is that you must implement the way your code will work. It should be able to handle every situation mentioned in the assignment. This should run with no errors and include what tool will be the one performing the action.
- 3<sup>rd</sup> Step – Write down the Code: This is the easiest portion, since you should already have all the logic prepared to write down into code.
  - This should be for 1 day. The logic should all be done and ready to be typed with no issues. If any errors arrive, they should take a low amount of time to fix since logic can be rearranged.

### Task Scheduler

Use this section to schedule when and how you will complete your assignment tasks. Include what the outcome of the task was. You should not move on to the next task until the previous task is completed. Stick to your schedule.

Review the example below and then create your own task schedule.

Task: \_\_\_ Complete research for final paper \_\_\_

Time Needed	Step	Outcome
<i>2 hours</i>	<i>Search for articles on TAMU Library website.</i>	<i>Spent 1.5 hours researching; found 10 articles that could be used.</i>
<i>1 hour</i>	<i>Make a list of which will be used for research paper.</i>	<i>Chose 5 articles for paper.</i>

Task: \_\_\_\_\_

Time Needed	Step	Outcome



**Disclaimer:** Please use this document as a supplemental resource. You must follow class instructions and expectations set by your professor. This handout does not substitute your class nor does it cover the entire syllabus or course.