

## Assignments

Assignments will be done in Jupyter Notebooks. They will be released on the course website ([cogs18.github.io](https://cogs18.github.io)) and submitted to TritonED.

### Assignment Schedule

The schedule for assignments is as follows:

	Name	Topics	Grade Value	Released	Due
A1	Getting Started	Variables, Operators & Conditionals	6%	Monday Oct. 8th	11:59 pm, Monday Oct. 15th
A2	Ciphers	Collections, Loops & Encodings	8%	Tuesday Oct. 16th	11:59 pm, Tuesday Oct. 23rd
A3	Chatbots	Functions & Algorithms	8%	Wednesday Oct. 24th	11:59 pm, Thursday Nov. 1st
A4	Artificial Agents	Objects: Classes & Methods	8%	Wednesday Nov. 14th	11:59 pm, Wednesday Nov. 21st
A5	Data Analysis	APIs & Scientific Computing	10%	Wednesday Nov. 21st	11:59 pm, Monday Dec 3rd

Assignments are cumulative - previously covered topics may also appear in an assignment.

### Late Submissions

You may submit late assignments, up until assignment solutions are posted, but for 75% credit.

### Using Jupyter Notebooks for Class Assignments

We will be using a system that allows for automatically grading notebook submissions. Notebooks will be released with step-by-step instructions on what code to enter.

Follow these instructions for working with these notebooks:

- Whenever you see ‘# YOUR CODE HERE’, replace it with code to answer the question
  - Make sure to remove the ‘raise’ line, or the notebook will raise an error
- Do not edit or delete and cells that have ‘assert’ lines in them
  - These lines are used to check your code
  - If they are edited, this gets flagged, and they get reset to the original versions before grading
- You can add new cells, and write extra code, as long as you follow what is written above
- Make sure to execute all code that you write.
  - If you get an ‘AssertionError’ from a test cell, your answer is not correct
- Your grade is partly graded on the public tests (the ‘asserts’ that you see) and partly on a hidden set of tests (extra ‘asserts’ that get added during grading)
  - This means that passing all the assert you see does not guarantee correctness
  - Make sure to check out code and it's outputs, that it does what it is supposed to

## Questions about Assignments

### ***To ask questions for clarification and guidance when doing the assignment***

Please ask all questions on Piazza and/or in office hours.

A note on posting code on Piazza:

When asking or answering questions on Piazza, do not post large segments of code that entirely answer questions. If you want to post larger segments of code, do so in a private post. Please follow the full guidelines for using Piazza, which are posted on Piazza itself.

### ***To ask about an extension***

If you need to ask for an extension, please email the instructor directly.

### ***To ask questions about grades***

If you have a question about a grade, email the course email: [cogs18python@gmail.com](mailto:cogs18python@gmail.com)

Questions about grades include asking where you lost points, clarifying why you lost points, and asking about potential regrades (overall, or for particular questions). Please first check the information and guidelines below first. Note that because assignments are programmatically graded on a particular computer, course staff in office hours will not have immediate access to your particular submission, and where you lost points. These questions do therefore need to be directed to the course email.

## Grades

Grades will be released on TritonED about a week after the submission date. It is your responsibility to check your posted grades - please do so.

## Assignment Solutions

After grading is complete, we will also release the assignment solutions. These solutions include how we solved these questions, and include the full set of tests (asserts) that were used for grading. Note that there may be multiple possible solutions to a given problem, and variations may receive full credit, provided they pass the test criteria that are specified in the question set up, so you do not need to answer a question in the same way we did.

When solutions are posted, please use them to compare to your submitted assignment, to see where you may have lost points. If you can't figure out where you lost points, you can contact us through the course email ([cogs18python@gmail.com](mailto:cogs18python@gmail.com)) to ask, and we can check.

## Regrades

After checking the solutions, if you think there is a mistake or ambiguity (for example, your different solution meets the question specifications, but fails on an unexpected test) get in touch, and we'll look into it.

Note that assignments are programmatically graded, using an automated system. It is possible that this grading goes wrong, if a submission doesn't follow the assignment format guidelines, or for other idiosyncratic reasons - which may be what happened if you receive a very different grade than you expected. If there is an issue, we can fix it - but you have to let us know.

All regrade related questions must be directed to the course email: [cogs18python@gmail.com](mailto:cogs18python@gmail.com)