



# CMSC 14200 1 - Introduction to Computer Science II - Instructor(s) - Jesus Almaraz-Argueta, Ravi Chugh

Project Title: **College Course Feedback - Spring 2024**

Number Enrolled: **68**

Number of Responses: **32**

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## Report Comments

Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

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Creation Date: **Thursday, July 11, 2024**

**What are the most important things that you learned in this course? Please reflect on the knowledge and skills you gained.**

Comments
Trees, Graphs, code style/type setting, collaboration in Git
Different search algorithms and when to use them, debugging, writing tests.
Basic search algorithms
How to develop software, use trees, algorithms, etc.
Classes, Functions, Intro to Software Development
Functional programming, type checking, advanced object-oriented programming, working with Python Modules (Numpy and Pygame)
Object oriented programming, DFS, mypy type error checking
Writing classes in Python and using Git
This course explores other aspects of software development in python while also introducing concepts like maps, list comprehensions, and expanding on dunder functions.
More Python and data structures
Practiced good code writing: use of a main function with def functions, docstrings for helper functions, use of a venv. and .gitignore.
Dijkstra's, how to work collaboratively, graphs.
Just improving my coding skills
Greater use of trees, libraries, and intro to app development
I learned about new algorithms
mypy, pygame, click library
I learned how to work with different data structures, how to implement different tools and techniques for tackling technical problems, and how to write code efficiently and effectively.
Python, software development
List Comprehensions, graph and heap implementations
I learned how to make a game using Pygame. We really weren't taught this in class though but the guiding steps were ver useful.
how to code!
How to code and create larger code projects in Python.
More about object oriented programming, new data structures.
Classes, abstract methods and classes, functional programming, and building on CS141
How to work on a coding challenge in a group and how to use github

## Describe how aspects of this course (lectures, discussions, labs, assignments, etc.) contributed to your learning.

Comments
Lecture examples were useful for understanding. Canvas course was set up clearly allowing me to find his detailed notes.
I think lectures and the homeworks were the most useful resources. The lecture notes posted on Canvas and Ed discussions were also instrumental.
lecture notes help the most
Basically had to teach everything to myself. Learned some in the lectures and the posted notes, but most of the learning comes through grinding the homeworks.
Very helpful and delivered useful information, assignments were difficult to complete strictly based on lecture (you would need to go to office hours)
The lecture introduced the course content and the discussion section provided a chance to see them be applied more closely. The final project is a chance to apply everything.
Lectures were very helpful, discussions were less, as they were optional and didn't relate directly to what we were learning (although time with the TA was great)
Lectures were insightful and Ravi kept our attention well.
Lectures gave a strong baseline for the fundamentals of graph traversal and projects, and I learned a lot from the classes about the different libraries in python as well. Discussion helped me learn about git and deepened my understanding of class material. Assignments were well structured and helped me practice the subjects.
Discussion sections were really helpful for learning how to use git properly and working as a group, the later half of the course discussions were useful as office hours
Lectures
The lectures were pretty helpful for introducing concepts, but the discussion sections are nowhere nearly as helpful as they were for 14100.
The lectures were helpful! The professor worked through coding examples live; it was really helpful! The assignments were the most important as far as content. The homework helped me put into practice what we learned during lecture.
Assignments were most important for learning, lecture notes are also good
First half of the quarter expanded on 141, but the later lectures did nothing. The project was fun but I didn't really learn anything since we were pushed in blind. Nothing about Pygame really connected to class material except the fact that we were writing it in VSCode and used some basic language structures
everything! Love ravi
I think teh homework and final project led me to have to think for a while about different projects and how different parts of code contribute to the whole.
Didn't go to discussion ever and stopped going to class after week 3, instead learned the material by doing hw and looking at posted slides
The lecture notes and assignments helped me to learn the content. Also the final project was useful.

## Please respond to the following:

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
This course challenged me intellectually.	4.07	4.00	3.57%	0.00%	17.86%	42.86%	35.71%
I understood the purpose of this course and what I was expected to gain from it.	4.04	4.00	3.70%	7.41%	14.81%	29.63%	44.44%
I understood the standards for success on assignments.	3.89	4.00	3.70%	14.81%	7.41%	37.04%	37.04%
Class time enhanced my ability to succeed in graded assignments.	3.81	4.00	3.85%	7.69%	26.92%	26.92%	34.62%
I received feedback on my performance that helped me improve my subsequent work.	4.04	4.00	7.69%	3.85%	7.69%	38.46%	42.31%
My work was evaluated fairly.	4.11	4.00	7.41%	3.70%	3.70%	40.74%	44.44%
I felt respected in this class.	4.30	5.00	3.70%	3.70%	3.70%	37.04%	51.85%
Overall, this was an excellent course.	3.81	4.00	7.41%	0.00%	29.63%	29.63%	33.33%

## Additional comments about the course:

Comments
Really tough, wish that the things we did in class translated better to the assignments.
N/A
Project write-ups were very vague and at times it was uncertain what the exact specifications were for the project.
I think the idea for the grading scheme is good, but that the midterm plays such an important role in determining your final grade seems counterintuitive to the point of standards based SNU grading — if the point is to assess competency with key ideas, the fact that someone happens to get over a 90 (or an 87 with the requisite number of Es) should not be the gatekeeping factor between an A and A-.
It could be harder. It was relatively easy
Sometimes the wording of homework assignments were a little unclear and got resolved in ed. Very difficult at times so do not hesitate to reach out for help
Only take this course if it is a requirement of some sort.
I didn't love it but I didn't hate it. It was the best part of my workload second half of the quarter but that has more to do with CS than the class itself.
The CS courses here are terrible
Didn't go to class after the midterm, maybe rework the project so that we need to learn new things for it and actually need to go to class
I tested into this class, and there could have been more support and information provided regarding use of Github, the SNU grading scale, etc.

## I would recommend this course to:

	No	Yes
Highly-motivated and well-prepared students	7.69%	92.31%
Anyone interested in the topic	26.92%	73.08%

## Thinking about your time in the class, what aspect of the instructor's teaching contributed most to your learning?

Comments
Quick, detailed responses on Ed and his ability to make the class engage during lecture.
Ravi asked us a lot of questions and it felt like classes were half–lecture and half–discussion. He also worked through a lot of examples that gave different contexts for using certain topics.
Notes, but honestly, lectures weren't that helpful
posting the lecture notes on Canvas took away the burden of trying to take notes while listening to lecture, which I liked.
Ravi was excellent at provoking us to ask questions to further our understanding of what was happening under the hood of the algorithms we looked at
Being able to involve the class and invite questions to develop the understanding of the material
He did a good job engaging with the class despite the large lecture size and clearly presenting the ideas.
Ravi Chugh is really funny and lighthearted and made the class really fun
His coding examples were extremely useful in understanding how the code worked. He also utilized a more discussion–style class than just pure lecture.
Ravi is a great lecturer. Super super entertaining.
Ravi's humor honestly, it kept me really engaged in class and he asked a lot of questions to keep us engaged. I also really enjoyed when we coded together at the beginning of the course for classes and using libraries.
The Ed discussion
Professor Chugh is amazing! He's very accessible and is always willing to answer questions or talk all things CS (especially Haskell!)
Professor Chugh is truly amazing. He made real world examples with the concepts we discussed in class, which made the content easier to digest. He was also a very interactive lecturer, always asking and replying to questions.
I learned from the begining lectures but after that there was no point in attending class
Everything! Good lecturer, made things simple to understand
Showing out example code and visuals that allowed for higher–level thinking
Posting slides
Example problems and going through them step by step.

## What could the instructor modify to help you learn more?

Comments
Post his coding examples that he does in lecture on Canvas. The notes are good, but having the code, too, would be nice.
I think lectures felt a bit slow so maybe a somewhat faster pace (but not covering more material, just doing more examples and maybe talking a bit more about the use for things we learn)
Make lecture more structured and organized
Spend more time on crucial components that would show up in class—like in Professor Chugh's class, he told us to read up more on the Dijkstra algorithm by ourselves and went over it very quickly in class, which I found frustrating.
Show more implementations during lecture
Nothing in particular.
n/a
If there were more office hours
Nothing. Professor Chugh is great.
Nothing! Professor Chugh is great.
Teach more relavent material
A little more hands–on feedback? Please god no more curses
Nothing, I think learning to code is best done by doing it alone
More engaging
Go over more theory in class instead of mostly an example class

## The Instructor . . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Organized the course clearly.	4.32	4.00	0.00%	0.00%	16.00%	36.00%	48.00%	0.00%
Presented lectures that enhanced your understanding.	4.46	5.00	0.00%	4.17%	4.17%	33.33%	58.33%	0.00%
Facilitated discussions that were engaging and useful.	4.17	4.00	4.00%	0.00%	12.00%	40.00%	40.00%	4.00%
Stimulated your interest in the core ideas of the course.	4.08	4.00	4.00%	0.00%	16.00%	44.00%	36.00%	0.00%
Challenged you to learn.	4.28	4.00	4.00%	0.00%	4.00%	48.00%	44.00%	0.00%
Helped you gain significant learning from the course content.	4.24	4.00	4.00%	0.00%	4.00%	52.00%	40.00%	0.00%
Was available and helpful outside of class.	4.23	4.00	0.00%	0.00%	20.83%	29.17%	41.67%	8.33%
Motivated you to think independently.	4.40	4.00	0.00%	0.00%	4.00%	52.00%	44.00%	0.00%
Worked to create an inclusive and welcoming learning environment.	4.57	5.00	0.00%	0.00%	4.35%	34.78%	60.87%	0.00%
Overall, this instructor made a significant contribution to your learning.	4.25	4.00	0.00%	4.17%	12.50%	37.50%	45.83%	0.00%

**Please include the name of the TA/CA/Intern you are evaluating. What aspects of the TA's teaching contributed most to your learning? What could the TA modify to help you learn more? Please include any additional feedback for the TA/CA/Intern.**

Comments
Yiming Su
Sylvie/V. Sylvie is an amazing TA and honestly saved me for the second half of this course (project). Especially when I was struggling to figure out what to do, she helped me tackle one issue at a time and encouraged me to think critically about my code. She is also super welcoming and nice!! Also she was super validating of the struggles of coding which helped me feel better about the project and the trouble I was having with it.
Yiming Su — he did a good job leading effective discussion sections that balanced instruction with more individualized attention
Zain was a great and knowledgeable TA.
Sylvie— overall, wonderful as she helped build my programming – intuition. I wish we could've sometimes gone through the presentations a little bit faster so we could get more time to ask questions.
There were a lot of TAs
I don't know the names but the TAs graded our homework assignments. I think their grading was too variable and should be more lenient. There should be a standard for each assignment because I felt the grades often did not reflect what I deserve.

## The TA/CA or Intern. . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Facilitated discussions that supported your learning.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	83.33%	16.67%
Gave you useful feedback on your work.	4.67	5.00	0.00%	0.00%	16.67%	0.00%	83.33%	0.00%
Stimulated your interest in the core ideas of the class.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	83.33%	16.67%
Challenged you to learn.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	83.33%	16.67%
Helped you succeed in the class.	4.33	5.00	16.67%	0.00%	0.00%	0.00%	83.33%	0.00%
Was available and helpful outside of class.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
Overall, this individual made a significant contribution to your learning.	5.00	5.00	0.00%	0.00%	0.00%	0.00%	83.33%	16.67%

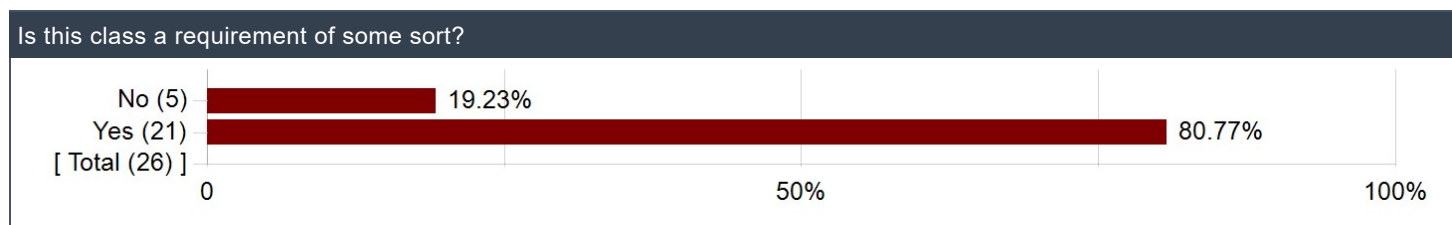
## How much did the following elements of the course contribute to your learning gains?

	Mean	Median	No Gain	A Little Gain	Moderate Gain	Good Gain	Great Gain	N/A
Laboratory Experience	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Field Trips	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Library Sessions	1.00	1.00	16.67%	0.00%	0.00%	0.00%	0.00%	83.33%
Review Sessions	3.00	3.00	0.00%	16.67%	0.00%	16.67%	0.00%	66.67%
Writing Seminars	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

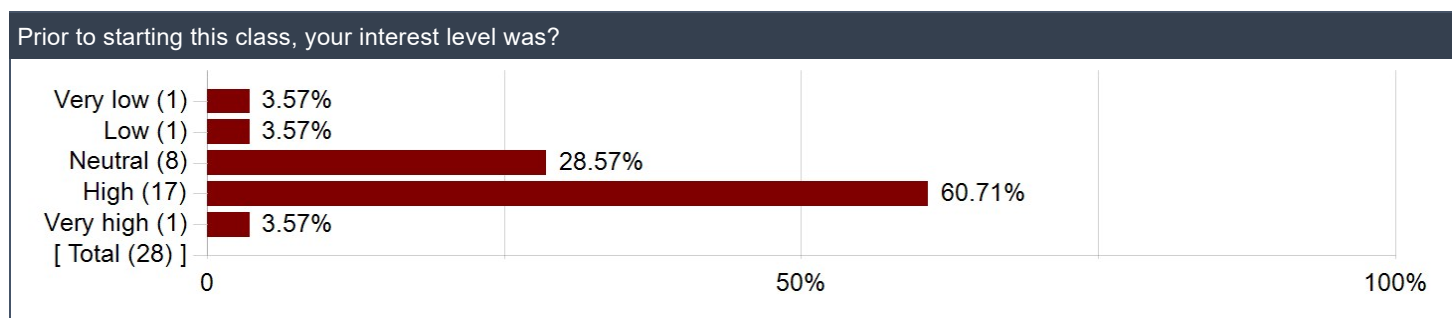
## Other course elements not mentioned above:

Comments
Problem Sessions
Discussion sections. They were not really related to course material but I think they would be helpful for CS majors.
N/A
There were discussion sections. I didnt' know the name of my TA. However, the sections weren't that helpful – at least my section, so I went to another section that was more productive and Q&A based.

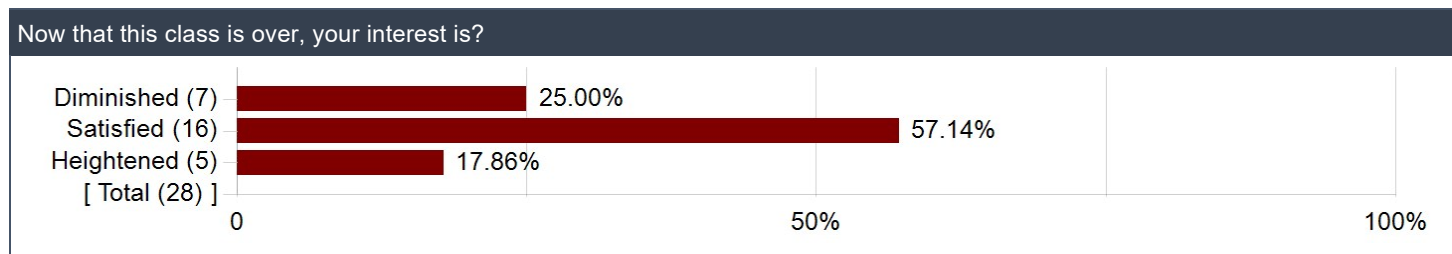
## Is this class a requirement of some sort?



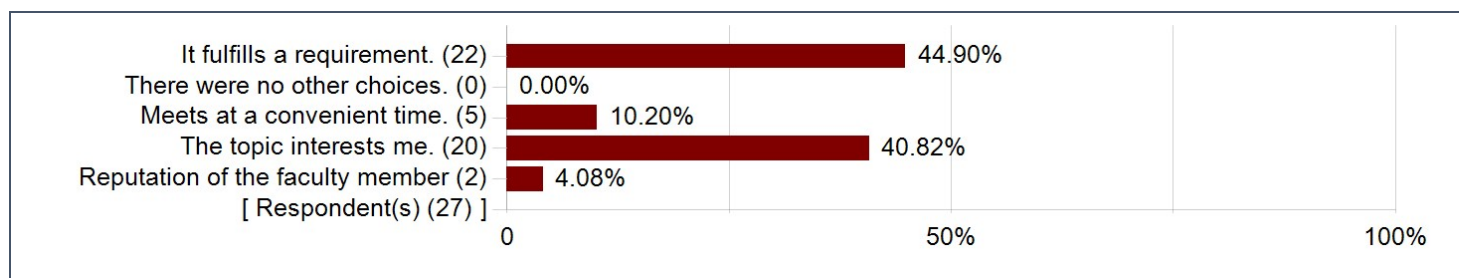
## Prior to starting this class, your interest level was?



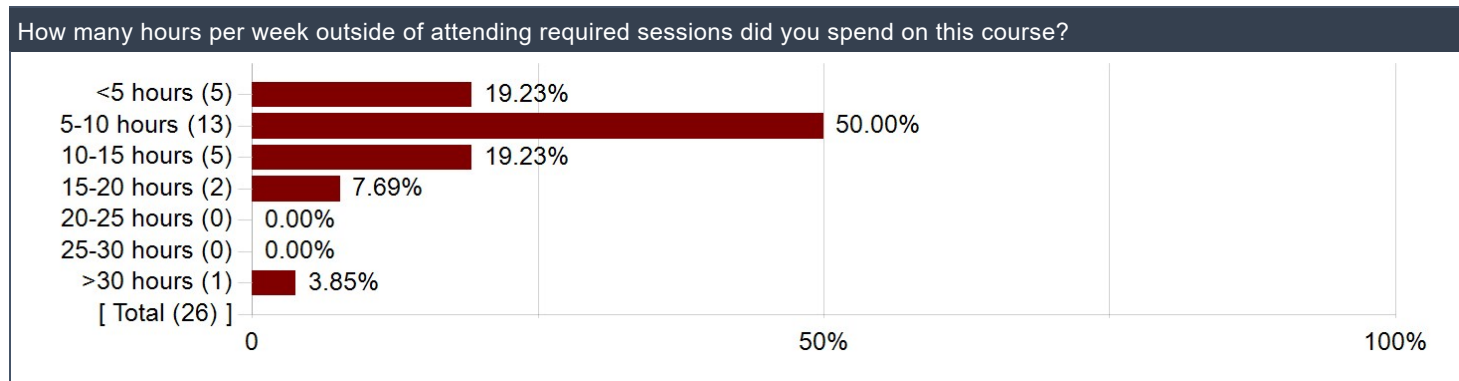
## Now that this class is over, your interest is?



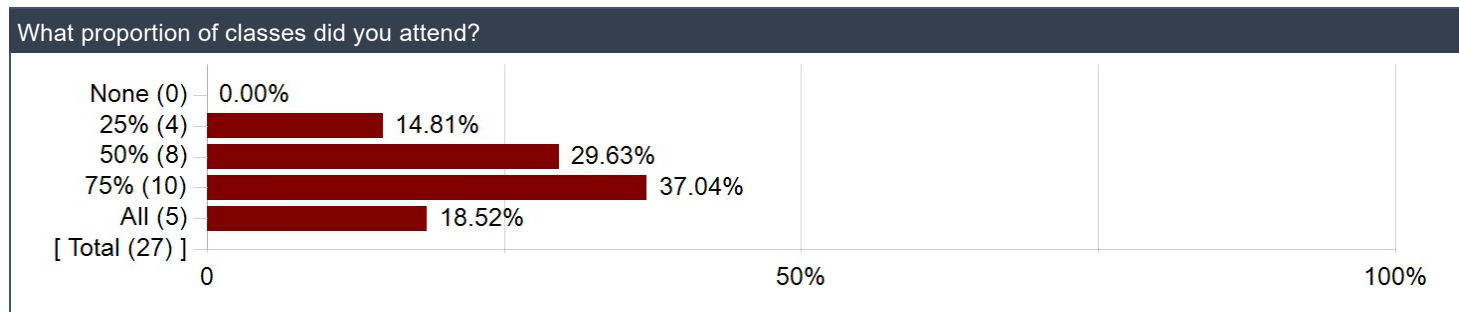
### Why did you choose to take this course? (Select all that apply)



### How many hours per week outside of attending required sessions did you spend on this course?



### What proportion of classes did you attend?





**Please comment on the level of difficulty of the course relative to your background and experience.**

Comments
Somewhat difficult
I had some experience with CS and took 141. It was challenging, especially some of the later homeworks, but doable. Lectures and lecture notes helped me a lot.
not too hard, but very time consuming. Debugging is a little tedious for people who are more interested in theoretical work.
Hard course. Homeworks and project require a lot of effort.
Be prepared to drive yourself to learn more on your own, as learning how to program cannot be learned by strictly adhering to coursework and not seeking information/knowledge on your own.
Not bad at all, but the midterm is super important for your final grade
Pretty hard, like any other CS class here
All the topics were mostly new to me, but the class went a relatively reasonable pace. It was difficult but just right.
Not that hard
Extremely difficult ... definitely NOT an intro CS class, despite being advertised as such.
This class is a fitting sequel to CMSC 14100. You will be asked to build upon the skills you learned in that class. If you felt comfortable in CMSC 14100 or if you have some coding background, you should be able to excel in this class.
I took 141 without any prior coding experience and found it doable.
The only CS class I took was 141
Before 141 I had never downloaded python. Now I love it!
It was somewhat difficult but not too difficult
East course only taking 141 before
Not too difficult. Easier than CS141