Pattern Recogn Comput Vision (Fall 2022)

Instructor: **Jiang, Huaizu**
Subject: **CS**
Catalog & Section: **5330 02**
Course ID: **19200**
Objectives:

Enrollment: **41**
Responses Incl Declines: **22**
Declines: **0**

Instructor Related Questions: Huaizu Jiang (19 comments)

Q: What were the strengths of this course and/or this instructor?

1	The programming assignment helps a lot and provides a sense of accomplishment after completing them.
2	The instructor really cares about the students and he really wants to ensure that students can understand the materials.
3	1. Well balanced course. 2. Good assignments. 3. Clears foundations of CV. 4. Professor puts in efforts to teach well and explain difficult concepts.
4	Instructor explained the concepts well and gave us enough time to complete homeworks.
5	Professor Huaizu does an exceptional job explaining concepts. He will patiently come up with multiple ways to explain or teach the same concept to ensure that the students can learn from at least one of the explanations. Lectures are well structured to revisit challenging concepts across multiple lectures to improve retention and they align well with the homework assignments.
6	The instructor was flexible and added topics to the course according to our interests and industrial use. I really liked the guest lecture I wish even other courses could do that
7	The material was really good. The assignments were also really interesting since I love implementing stuff from scratch. I got an opportunity to do that by implementing complex ML/CV algorithms like SIFT, DNN and CNN from scratch using just numpy.

Q: What could the instructor do to make this course better?

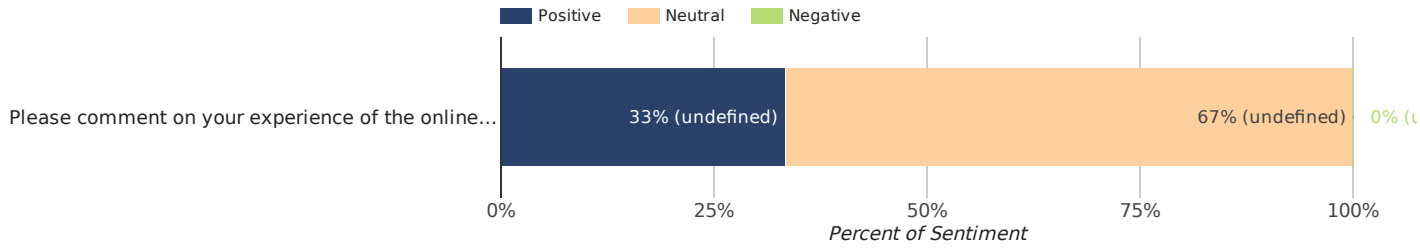
1	I think feedback loop should be improved. For example, we get the grades of the assignments, of course we can go to office hours and discuss things but it is not always possible because of scheduling conflicts / other issues. So if the instructors can observer for common mistakes and explain in detail during class / through piazza posts how to avoid them in the future. It will really help. I understand the project proposal being early in the timeline is to make ppl work on the project but I suspect if it is really happening. This makes deciding project topic difficult because that early in the course, I didn't have enough information / prior knowledge to understand topics and deciding on a topic. Though we can read from internet, it not very helpful if you don't know what you are looking for. Also since there is a high expectation on project, having an assignment on using backbone models could also help.
2	It would be better if the professor and the TAs can answer the questions on Piazza in a more timely manner.
3	1. May be release Assignment walk-through video after grades have been released, rather near end of semester. 2. Since there are limited project groups, an official 1-1 discussion about project outcomes can help better visualize the project goals. 3. Instead of zoom meetings, there can be Khoury OH app so that students can track their queue position.
4	Instructor can be bit more flexible with harsh grading and assignments . I was not able to show that I understand the concepts well if my code was not working . I felt there was no way a student can score well in this course if he/she is little weak into such deep coding assignments but does understand the theoretical concepts well .
5	provide examples, go over concepts more low-level
6	He did everything that could be done
7	Huaizu may be great at research. But he is pretty terrible at explaining anything. The course involved some very complex algorithms and code and he was unable to explain anything. He is also very inflexible with scheduling. I requested if I could get my final presentation slot moved to a later one since I also had a final exam for another course that day. He made a hollow promise and did nothing. His argument was “They’re not at the same time, right?” If you reduce the problem down to that argument, there’s nothing left to discuss.

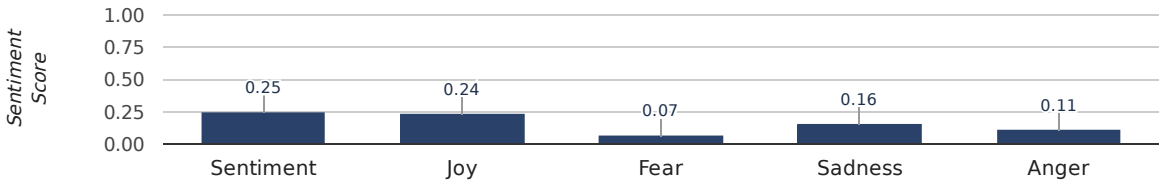
Q: Please expand on the instructor’s strengths and/or areas for improvement in facilitating inclusive learning.

1	N/A
2	More quizes and theory exam to be included for students who has the knowledge about the concept can perform well too rather than students who get assignments access from seniors and get good grades
3	I believe Professor Huaizu really goes above an beyond to facilitate inclusive learning. As mentioned, the repetition and catering to multiple learning styles in class. Also, homework assignments are designed to focus effort on concepts that are taught in class while providing code that would be tedious to write or that was not taught in class.
4	He explains the class very effectively, I specifically like mathematical proofs, they give me a sense of understanding. I don't expect the professor to do the proofs but if he could give a pdf handout rather than research papers it would be more effective
5	There is a massive gap between the theory taught in class and the highly efficient, vector code that is expected in the assignments. Help students with that. Also, providing links to dense, highly mathematical papers “if you want to learn more” is not helpful.

Questions to Assess Students’ Online Experience (3 comments)

Q: Please comment on your experience of the online course environment in the open-ended text box.





1	N/A★★★☆☆
2	The course work and assignments are well thought and properly distributed to manage the load. Professor puts in enough efforts to explain every concept well.★★★★★
3	Online environment course work had sufficient information to study however the homework were based on coding and no help related to getting stuff in coding for these homework was provided★★★☆☆

Student Self-Assessment of their Effort to Achieve Course Outcomes (5 comments)

Q: What I could have done to make this course better for myself.

1	In programming assignments, clarifying my doubts early before implementing things could have time in a lot of cases.
2	Maybe have a better knowledge of Numpy.
3	I devoted comparatively less time to this course for self study, otherwise this course learnings would have been excellent!
4	May be a better book that made it easier for me to understand the concepts and coding them well.
5	Should have dropped this course. Huaizu can't teach to save his life.