Instructor: **Maxwell, Bruce**

Subject: **CS**

Catalog & Section: **5330 03**

Course ID: **40013**

Objectives:

Enrollment: **56**

Responses Incl Declines: **17**

Declines: **0**

Instructor Related Questions: Bruce Maxwell (19 comments)

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

1   Bruce's lectures were well planned out, diagrams were used to great effect, and his knowledge in the field is inspiring.

2   There are many strengths, including a commitment to completing the syllabus on time, tremendous knowledge, helpfulness, giving feedback, and so on

3   The course material was interesting, however, outdated.

4   The instructor is extremely talented and knowledgeable.

5   Great content, excellent delivery, and very interesting class.

6   Gave perspective in all fields of computer vision. Did not include a lot of math which I liked, and the assignments were focused on overall improvement of understandings.

7   The contents and the projects of the course were very interesting. The projects were both fun and helpful for us to understand the concepts better.

8   Bruce Maxwell is passionate about computer vision and his enthusiasm radiates into the lectures. Through his consistent efforts to involve the class in the lecture each week, it was quite apparent that he cares a lot for his students.

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

1   I would've liked earlier feedback/grades on completed projects to inform strategies for new projects I was working on.

2   Can't think of anything

3   1)Not make a trivial and outdated assignments unnecessarily challenging and by adding irrelevant and time-consuming features.
2) Take out the extension part of the assignments completely and grade assignments by its core project only. The reasoning for this is that, if you want to get maximum extension points for each assignment you should, I quote, "Amaze him".
3)Loosen a grading criteria for the exams. Based on my experience, no matter what you write down on the exam question, if it is not the exact copy of what he is looking for, even if it is 100% correct, he will find a way to take some points off.
4) Focus more on the contemporary topics that are relevant today. The first 2.5-3 months of the course were the outdated, traditional computer vision approaches that are no longer used today. Concepts are of course viable that's why the course was interesting, however, you will not get a job in this field with this knowledge. There was not a single project that I could write in my resume and realistically hope to impress anyone with it.
5)Rework the homework assignments. In each assignment, professor expects you to do some tasks with a specific approach, with specific images to put into report, with specific set of parameters to have. While he always suggests to be creative, it is almost impossible due to his restrictive task descriptions for which he will definitely take points off if you do not do it the way he wants.
5) Remove the report part of the homework completely. For each assignment, there is a 2 week deadline you have to meet. With pictures and descriptions and acknowledgements and reflection parts of the report that he expects, each report is around 12-25 pages long. Why? This is just pointless waste of time for anyone with just 2 weeks to complete the assignment.
6) Remove the free labor homework of the course. Yeah, there is a homework that is worth 5% of the total grade where you need to take 100 pictures of items in a raw format. Then you have to manually place bounding boxes on each of those objects, write down coordinates in a csv file and upload somewhere around 16GB of the data. Also, you have to specifically state that you give him the permission so he can use it in the research. For the course, there was not a single assignment that was required to consume those images. The only purpose this "free labor" assignment serves is to help him create a RAW image dataset and apart from it, it benefits no one. Plus, he grades you on that and if he does not like the quality of your photos you will lose points.
7) Be more helpful in the assignment and midterm preparation questions. Suppose you ask him any question regarding that, he will just vaguely describe what might be helpful, omitting the part that is actually helpful and you have to spend next 2 days figuring that out yourself and realizing that what he said was completely unhelpful in any way.
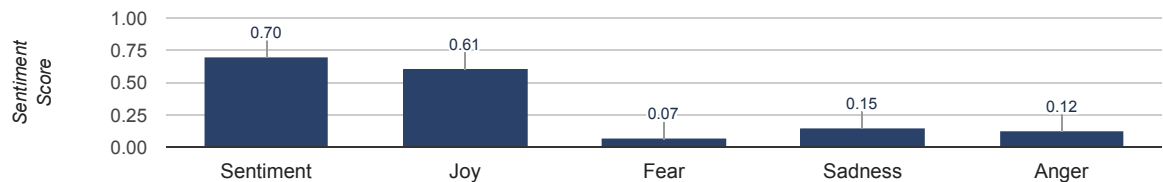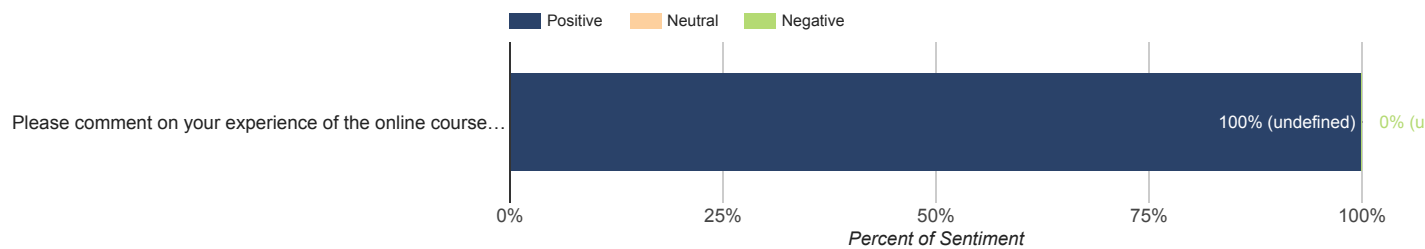
With these things said, I believe it would be easier to just replace this instructor rather than make this course bearable and actually beneficial. Professor is still living in 70's. This course was the worst decision of my academic life ever.

4   I think the instructor structured the course greatly and was very accommodating. It was primarily my fault that I couldn't perform as well.

5   using pictures and better visual aids instead of just writing the whole time

6   More assignments can be incorporated into the class to give the students more opportunity to practice and apply their learned knowledge.

7   The lectures felt a little bit slow fir the information covered in 3 hours. When revising when I watched the same videos in 2x that speed was more convenient.

8   I think the workload for this class is too severe. Many weeks I ended up spending upwards of 30 hours on the assignments. There were no changes to the schedules on weeks with exams. These assignments were educational and great for my learning but there were a lot aspects to it that could have been cut out. Specifically, the parts of the assignment that were not computer vision related, but instead related to setting up the overall structure of the project, could be supplied by the instructor. That would save a lot of time for students and graders without inhibiting computer vision related learnings. Perhaps students should just be required to write the functions. I don't think I could recommend this course to others as is. The workload was too large for a single class, in my opinion. I never had a chance to do any of the readings, and even skipped some lectures, just to get the assignments done. In this sense, the scope of these projects inhibited my learning. Examples of extensions should also be provided so students can know what scope of extension will earn the a satisfactory grade. I often put in a large amount of extra work just to complete the extension and get above an 85. Coupled with the fact that assignments were graded slowly (another reason to decrease the scope of the assignment), I had little feedback to inform whether my extensions were too involved or not involved enough. This lead me to always play it safe and spend an even greater amount of time to complete them.

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

1   He is well versed in the computer vision space. He is responsive to emails.

2   Excellent delivery, understood everything that professor taught. Love the papers he shared with us. Can't think of anything on improvements.

3   The professor is very approachable and always answers questions on piazza quickly which is very helpful.

Questions to Assess Students' Online Experience (5 comments)

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

Legend: Positive, Neutral, Negative

Please comment on your experience of the online course…   100% (undefined)   0% (u

Percent of Sentiment

Sentiment Score chart:
- Sentiment: 0.70
- Joy: 0.61
- Fear: 0.07
- Sadness: 0.15
- Anger: 0.12

1	The online learning experience was at par, I really enjoyed the virtual environment and the way the professor conducted each lecture. Not a single minute was wasted out of 3 hours of class. He is so dedicated to his teaching, brilliant, and knowledgeable, I would like to attain a different course again. ★★★★★
2	The course was very organized and the professor provided more than enough information. ★★★★★
3	Great assignments and class delivery. Love Bruce. ★★★★★
4	Covered a vast majority of topics which was nice. Projects were organized nicely, and the flow of lectures and projects went well. ★★★★★
5	The course was organized really well. I appreciate the fact that there are so many office hours and I never felt it was hard to get help when I get stuck. ★★★★☆

Student Self-Assessment of their Effort to Achieve Course Outcomes (7 comments)

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

1	I could have made more of an effort to attend the live meetings instead of watching recorded lectures.
2	Not put so much effort because no matter how hard you tried, if it was not exactly as what instructor was looking for you WOULD NOT get accurate assessment of your work.
3	I should have prepared better but I took on to much external factors.
4	prepare in c
5	More practice and reading would help.
6	Could take 2 classes instead of a single long class.
7	Read more relevant materials