Computer Logic & Circuit Desgn (2020 Spring)

Instructor: **Hanson, Jordan**
Subject: **COSC**
Catalog & Section: **330 1**

Enrollment: **13**
Responses Incl Declines: **11**
Declines: **0**

Category Summary

Category	Number of Responses	Response Rate	Mean	Dept. Mean	Median	Dept. Median	STDEV
Self-Evaluation	99	84.6%	4.7	4.5	5.0	5.0	0.6
Instructor's Questions	14	53.8%	4.6	4.6	5.0	5.0	0.6
Instructor's Questions	8	30.8%	4.4	4.4	4.5	4.5	0.7
Course	77	84.6%	4.8	4.7	5.0	5.0	0.5
Professor - Jordan Hanson	99	84.6%	4.7	4.8	5.0	5.0	0.6

Demographics

Question	Number of Responses	Liberal Education	WSP requirement	Major requirement	Minor requirement	Elective/Interest
Why did you take this course? (Select primary reason.)	11	0%	0%	91%	9%	0%

Question	Number of Responses	First-Year	Sophomore	Junior	Senior	Graduate
What is your year in college	11	36%	27%	18%	18%	0%

Quantitative Data

All Likert Scale Questions - Self-Evaluation

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
I attended class regularly.	11	84%	4.9	4.9
I was academically prepared to handle the material.	11	84%	4.6	4.5
I came prepared for each class session (i.e. have read all course readings and completed assignments).	11	84%	4.9	4.6
I actively participated in class discussions.	11	84%	4.4	4.2
I attended scheduled office hours if I had questions about the course material.	11	84%	4.3	4.3
I tried to relate course material to other things I know and/or study.	11	84%	4.8	4.7
I worked to my full potential in this course.	11	84%	4.8	4.6
I was satisfied with my performance in this course.	11	84%	4.8	4.4
I had a strong desire to take this course.	11	84%	4.8	4.4

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

All Likert Scale Questions - Instructor's Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
The online laboratory activities added after the online transition were interesting and helpful for understanding course concepts.	7	53%	4.7	4.7
The online laboratory activities added after the online transition provided good practice for engineering skills like coding, connecting to remote systems, and graphing.	7	53%	4.6	4.6

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

All Likert Scale Questions - Instructor's Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
The online laboratory activities added after the online transition were interesting and helpful for understanding course concepts.	4	30%	4.5	4.5
The online laboratory activities added after the online transition provided good practice for engineering skills like coding, connecting to remote systems, and graphing.	4	30%	4.3	4.3

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

All Likert Scale Questions - Course

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
This course had clear goals and objectives.	11	84%	4.8	4.9
This course was academically challenging.	11	84%	4.8	4.9
This course offered useful learning tools (such as lectures, discussions, readings, assignments and/or examinations).	11	84%	4.7	4.8
This course had grading criteria that were clearly identified.	11	84%	4.7	4.8
This course improved my understanding of the material.	11	84%	4.6	4.7
This course increased my interest in the subject matter.	11	84%	4.8	4.5
Overall, I would recommend this course to others.	11	84%	4.8	4.6

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

All Likert Scale Questions - Professor - Jordan Hanson

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean
The professor used class time effectively and demonstrated preparation for class.	11	84%	4.7	4.9
The professor's teaching style and/or enthusiasm for the material strengthened my interest in the subject matter.	11	84%	4.8	4.7
The professor was able to explain complicated ideas.	11	84%	4.6	4.7
The professor challenged students to think critically and/or imaginatively about the course material.	11	84%	4.8	4.9
The professor provided clear and timely feedback.	11	84%	4.8	4.7
The professor encouraged meaningful class discussions.	11	84%	4.4	4.8
The professor was receptive to differing views.	11	84%	4.7	4.8
The professor was available for help outside of class.	11	84%	4.8	4.9
Overall, I would recommend this professor to others.	11	84%	4.6	4.8

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;

Open Ended Responses

Written Comments (77 comments)

Q: What useful feedback could you provide the professor of this course? (Please be specific.)

1	The class was very interesting a shame it was cut short with online.
2	Have the goal of the lab be a little more concrete.
3	Very well taguht.
4	The way you taught the course was very well done. It was easy to follow your lectures and examples on the board.
5	More time for the labs.
6	I would say that the most useful feedback I can give is to try to have more time for lab work. I always felt like there wasn't enough time to completely finish the task. I wouldn't have minded if we needed to come outside of class to have a specified time to complete a lab.
7	I loved the transition and how we used team viewer
8	Lectures helped me understand the concepts more
9	This course was hard to transition from in class to online because it is an entirely lab based course, but Professor Hanson came in clutch! He set up the lab computers for remote access so we could program to pynq boards remotely, and that was huge.
10	This was a very interesting field that I would like to learn about and possibly pursue after college as a career.
11	nothing i can think of

Q: What were the best aspects of this course? (Please be specific.)

1	The labs were definitely the most interesting as well as the lectures.
2	The labs.
3	Labs with PYNQ
4	The best aspect of this course was the lab activities. They were a very helpful application for the things we learned through the reading and the lectures.
5	The class transitioned nicely into the labs, allowing students to apply textbook knowledge to small projects. Also, Professor Hanson is very passionate about what he teaches and makes it clear that he wants his students to succeed not only in his class but in our careers.
6	The best aspects of this course was the hands-on experience we had with the PNYQ boards. It reminded me of going to my uncle's job and seeing first hand what he does for a living, but he does the programming part ! So, do the labs I was capable of having the

	exposure to one type of engineering that I may be interested in.
7	Hands on application
8	Labs were cool
9	I really enjoyed learning about complex numbers and complex analysis, and also like group lab activities. DSP was especially interesting, as I enjoy music/music theory and learning about some of the science/math behind it makes for a good experience.
10	The material was very interesting.
11	The hw

Q: What would you change about this course? (Please be specific.)

1	The pacing of the class could be improved, allow more to for the labs.
2	Have more group work outside of labs where we work on the testes material.
3	Nada
4	I honestly think this course should spend more time in the lab with the PYNQ-boards. Rather than have a lecture, then move into the lab, the lab should be conducted simultaneously with the lecture. I think this would really help with understanding and visualizing the material.
5	More time for labs.
6	Again, it would simply just be given more time or a separate time for lab work so I feel that I can complete the lab to its fullest extent. Otherwise, the course was really well designed in my opinion. There was lectures and reading expected of us to do, to help Hanson see where we were understanding the material.
7	Not much
8	More time in the lab
9	I enjoyed all aspects of this course.
10	Nothing
11	nothing

Q: Please evaluate your own performance in this course. That is, are you satisfied with your accomplishments in this course? If not, what should you have done differently to improve your performance and/or comprehension of the course material.

1	Overall, I performed well enough however after the switch to online I saw my motivation go down.
2	I am satisfied with my performance.
3	Always room for improvement
4	I think I did very well in this course, and I am very satisfied with my accomplishments in this course.
5	I am satisfied.
6	I am satisfied with my accomplishments in this course. I believe that I tried my absolute best to do the work and when I had some confusion, like on the midterms, I would not hesitate to email Hanson.
7	I think I did very well
8	Satisfied with my own performance
9	I hope I did well! I think I should have devoted more time to reading the textbook.
10	I am satisfied with my performance.
11	decent, way better than i thought

Q: How much, and in what ways, was your evaluation of the course affected by the shift to online teaching?

1	The switch affected the evaluation as it prohibited some of the most interesting content.
2	It affected it negatively a little bit because it was difficult to work collaboratively without access to the lab.
3	Slightly more distracted
4	None at all. It was inevitable that our learning was going to be moved remotely due to the current situation, and that should not be taken to account.

5	Not much.
6	Well, first and foremost, it was a difficult transition in every way. I began to become unmotivated to even focus for this class because I knew that we would be lacking the hands-on aspect of engineering. I wanted to give up, but when Hanson found ways in which we can remotely connect to the PYNQ boards at school, I gained some hope that this class wasn't going to be thrown away and pointless. It was still really hard to focus, but I believe that Hanson did a great job transitioning online.
7	My evaluation was not affected
8	Not much
9	As stated above, Prof. Hanson did a really great job at turning a course designed to be taught as a lab class into a fully interactive online class.
10	It did not change the evaluation for the course.
11	a lot especially doing the final project

Q: What did the professor do to change the course to an online format?

1	He was able to bring the labs back remotely which was very interesting to. Sadly, I didn't find them as helpful.
2	The professor used software to give us access to the pynq boards in the lab.
3	A LOT. He set up team viewer and PYNQ boards so we can do labs remotely
4	The professor did a great job moving the course online. The format was hardly changed (the lab was the only thing that was missing in most cases). However, the professor did a great job on getting us our lab activities back towards the end of the semester.
5	Professor Hanson allowed us to connect to the computers at school and work on the labs via our own computers.
6	He used white boards and screen sharing of the lecture notes. He also posted the lecture notes on the Moodle page, in case we wanted to reference back to it. In addition, he figured out how we can remotely connect to the PNYQ boards in the lab at school through this app called TeamViewer. It was pretty cool.
7	Using team viewer
8	Zoom lectures mixed with video tutorials online. Lab activities done through teamviewer
9	He set up the lab for remote access and learning, so we could program the pynq boards remotely. Professor Hanson also held class at class time via zoom, which kept all students engaged and showing up for class.
10	He made the labs still doable by having us download.
11	he did a lot to make everything happen, props to him

Q: Focusing specifically on the online portion of the course, what worked well and what worked less well?

1	The lecture time was useful, but I think maybe more homework would have helped.
2	The lectures worked well, but the labs were slightly more difficult digitally.
3	Team Viewer Labs worked well.
4	Everything worked well except for that professor-student interaction. This is more of a general statement and not specifically for this course. The professor tried his best to communicate and help us with issues as frequently as possible.
5	N/A
6	What worked well was giving us a couple of days to turn in the exams, given that we also have other classes to do. I felt that the lecture wasn't as efficient online, but given that we had to transition so fast that was affected. Possibly it would've worked better if there were interactive questions to answer within the lecture, but I don't know how else it would've worked.
7	team viewer was the best aspect
8	Zoom lectures were effective
9	Everything that Prof. Hanson did to change the class to an online format was extremely effective and helpful to the class.
10	The labs worked out well. The lectures live were hard to follow.
11	everything worked well

Supplemental Questions

Supplemental Questions

Question	Number of Responses	Response Rate	STDEV	1	2	3	4	5	-1
The online laboratory activities added after the online transition were interesting and helpful for understanding course concepts.	7	53%	0.5	0%	0%	0%	29%	71%	0%
The online laboratory activities added after the online transition provided good practice for engineering skills like coding, connecting to remote systems, and graphing.	7	53%	0.7	0%	0%	14%	14%	71%	0%
The online laboratory activities added after the online transition were interesting and helpful for understanding course concepts.	4	30%	0.5	0%	0%	0%	50%	50%	0%
The online laboratory activities added after the online transition provided good practice for engineering skills like coding, connecting to remote systems, and graphing.	4	30%	0.8	0%	0%	25%	25%	50%	0%

Note: 1:Disagree; 2:Moderately disagree; 3:Neutral; 4:Moderately agree; 5:Agree; -1:N/A;