



Course Evaluation Results

BIOE 205 / BIOE 205 AL1 - Signals & Systems in Bioengrg

Spring, 2023

Section LEC, Lecture-Discussion (Ivan Abraham)

M W F, 10am, 4025 Campus Instructional Facility

Evaluations were completed by **69** out of **88** students (78.4%).

For the purpose of generating percentile rankings, this course is considered to have a class size of "Large", a course type of "Required", and an instructor type of "Instructor".

Click a plus or minus symbol to expand or collapse an open-ended item.

Demographic Items

Class Status:

Freshman	Sophomore	Junior	Senior	Graduate	Other	Omitted
-	6% (4)	52% (36)	42% (29)	-	-	-

This course was:

Elective	Required, But a Choice	Specifically Required	Omitted
-	7% (5)	93% (64)	-

This course was in my:

Major	Minor	Other	Omitted
99% (68)	1% (1)	-	-

What was your pre-course opinion of the instructor?

Negative	No Opinion	Positive	Omitted
9% (6)	90% (62)	1% (1)	-

What was your pre-course opinion of the course?

Negative	No Opinion	Positive	Omitted
41% (28)	55% (38)	4% (3)	-

Expected grade in the course:

A	B	C	D	F	Omitted
13% (9)	52% (36)	25% (17)	4% (3)	3% (2)	3% (2)

Responses that

- (a) mentioned/identified course staff other than Ivan Abraham
- (b) could be used to identify students needing accommodations

have been redacted.

The following are the responses to the prompt: "What did you like about the course? What are the major strengths of the instructor/course?"

- The instructor cared deeply for the students and was willing to be flexible in teaching style in order to accommodate the class. The instructor also provided a variety of resources for the students.
- The instructor was very responsive to our concerns and criticisms early on. All of us had a really hard time getting through this course, especially in the beginning. There was a shift in teaching strategy and attention when the instructor realized we were struggling.
- The course was way too hard. while i understand this its teaching us to think deeper in the engineering world, It was hard to keep up because the course is so intimidating i could really never go into it
- The strength of the course was that it was relevant material for our major except it was taught very poorly and required all the students to spend so much time and effort into the class without meeting the end goal of understanding.
- I liked seeing the applications of the concepts we learn by coding in Matlab. Using real datasets for the final project allows us to see how we can process actual biological data. Allowing a cheat sheet for the exam was very helpful because it forced us to go through all the material to study and allowed the exams to really test conceptual understanding rather than memorization.
- I think the strengths of this instructor were that they were receptive towards student's feedback and cared about student's opinions.
- Actually challenges students to learn
- The best strength of this course was that it was adjusted when the students requested it. The instructor was also very helpful in online discussions and responding to emails.
- Dr. Ivan is an intelligent man. Do not can him for [REDACTED]
- I wouldn't say there were overall many strengths, but I do think that the main instructor was willing to listen and adapt to feedback to a certain extent. I think he was willing to listen to students' feedback and did his best to modify some of his strategies, and while they weren't always effective, you could tell he was putting in effort.
- He knows what he's teaching
- The only strength was that ED was easy to navigate.
- I think Professor Abraham did a good job changing his teaching style when it started off not really resonating or working with the students. He was able to listen to our feedback and change his techniques, assignments, and teaching to better assist us in at least understanding the content.
- N/A
- I think that he overall was a good teacher. He had a strong understanding of the theory from the subjects we were learning in class and was able to teach going along with the textbook and notes provided. I think also his written lecture slides were great at going in depth on topics that he may have not covered fully in class.
- Professor Abraham was willing to work with students on challenging concepts and was very open to feedback about the course. While he taught very fast, he provided students with opportunities to make up for mistakes and poor assignments.
- Dr. Abraham was very knowledgeable about systems, signals, electrical engineering concepts, and overall mathematics concepts. I learned a great deal of material in this course. [REDACTED] They introduced me to a true engineering course.
- The strengths were the posted lecture notes and the accessibility and formatting of the course website
- He is friendly and seems knowledgeable about the subject.
- He was nice and tried to help when people were frustrated.
- They took our feedback and made changes to the course Friendly, willing to make themselves available to explain content
- It seems that the instructor is very knowledgeable about the course and receptive to feedback at times.
- Cramming a lot of information into a short course, which might have resulted in me learning a lot (given that 10% of 10^6 is greater than 100% of 10, for example)
- Professor Abraham was able to adapt his way of teaching to have a better response ffrom the students.
- I believe that the only strengths of this course were that I learned how to work in groups for homework assignments and that the instructor responded quickly to questions on online platforms.
- Besides mostly answering the Ed discussion posts in a timely manner, I don't think there was many strengths.
- I appreciated the instructor's efforts to address students' issues with the course, despite there being many.
- The material is hard but the instructor tried his best to help students understand it.
- -Knowledgeable in subject -Nice person-knows a lot of our names -Helpful in office hours -Professor was at least receptive to hearing criticism, didn't get annoyed/defensive
- The instructor is an amazing person, I think he tried really hard to help us. The beginning of the semester was not very great but the course improved a great deal throughout the course of the semester. I would take a class from him again just for the professor. I could feel that he really wanted us to learn.
- Instructor knows the material very well and has a lot of experience with it.
- He tried to hear us out when we had difficulties
- N/A
- I really appreciated the online lecture notes because they expanded upon topics from lecture really well and cleared up any thing I was confused about. I also enjoyed the use of Ed because I felt like it was really easy to ask questions or get things cleared up outside of class, and the instructors responded in a very timely manner so it was really useful. As the course went on I began to feel much more confident in the material and although the

first few weeks were very overwhelming, after the first midterm the lectures seemed much less intimidating and the content began to make a lot more sense.

- Dr. Abraham was very adaptable in his teaching of the course. The start of the semester was shaky in that not a lot of communication was taking place between students/instructors. The instruction of course material was not easy to understand for many students and there was a large gap in learning. Dr. Abraham excelled as the course went on in working more with students and adjusting class instruction to better aid learning. Dr. Abraham made himself available to students through multiple resources and created other forms of resources and guides to better facilitate learning. The improvement in understanding for students was greatly increased and Dr. Abraham went above and beyond to allow multiple opportunities to learn, even when [REDACTED] other issues preventing their assistance in teaching the class. Dr. Abraham cared about his students and truly wanted to improve and help his students understand.
- I think the instructor is a very good person, and has great character
- The instructor seems knowledgeable about the course material and is making a sincere effort to teach the material to us as students. When we raised concerns about the course after our first midterm, Dr. Abraham adapted to our needs very well, and there was a noticeable change from that point onward.
- The instructor showed great knowledge of the content covered in this course and was great at taking criticism from the student even when the students did not always conduct themselves in the most respectful manner. I think the instructor has great potential of being an amazing teacher for this course if he is properly educated but the department on the reality of our system and signaling knowledge before this class.
- This course had no strengths because a lot of the time student were lost and felt that their concerns weren't being heard and dealt with. This class was overall a disaster and needs to really change in the future to better suite the expectations of the class. I think the instructor was understanding of students needs but not to the extent where it felt beneficial.
- I feel Ivan did a great job of listening to students and answering questions to the best of his ability. I believe he was just unaware of how little exposure we had to signals and the large amount of material in the first half of the class that he had to cover made the pace of the class too fast for an intro class. He was a very nice and considerate person who was just dealt bad cards with the curriculum of this class.
- Provided stimulating challenges and activities for content provided, amount and frequency of homework was manageable, and open to discussion about fulfilling the needs of students.
- It brought our major closer together as it challenged us and forced us to be more collaborative to complete assignments.
- The class had a very thorough class course page that provided helpful notes, lecture notes, access to the textbook. Professor Abraham was very welcoming and helpful when speaking to him for help in the class!
- The course was organized fairly well.
- he understands the topics himself very well -knows the content
- I think that Dr.Abraham had a good grasp of the content of the class, but I believe he did not have a good grasp on how to teach that content. He overall lacked an understanding of how to teach adults that enhanced understanding
- After the homework structure was changed I have been able to spend less time on the homework and have been doing better on the homework.
- I like that the lecture slides were posted ahead of time.
- The instructor for this course was very attentive to questions asked online and provided many resources for us like notes, textbooks, websites etc.
- I think Dr. Abraham listened to us when we had complaints and frustrations about the course and tried his best to adjust. I know it is hard teaching a course for the first time, and I think he was more receptive to us and criticism than [REDACTED] he always remained professional and tried his best, which is all we can ask for.
- [REDACTED] Throughout the semester, the entire class of Bioengineers are confused as to what is being taught into class. We have no idea what is going to be on the midterms, and most students end up scoring a 50% and not learning anything through the process.
- Instructor clearly knew what he was talking about and offered office hours for problems. His organization of website was awesome. There were some rough patches since he is teaching for the first time. I liked this instructor more than the other one since it was more organized.
- Well, I personally find that Professor Abraham's care for students shines through, as evidenced by his forum responses, use of light humor, and authentic reflection after midterms. He is also clearly knowledgeable about the course subject, if from a different perspective than BIOE. I actually quite enjoy his philosophy on assessments.
- The instructor was very receptive to feedback and worked hard to improve the course experience over the semester.
- The course started out very rough and difficult, but as the semester went on, I really grew to appreciate the work Dr. Abraham put in to improving the class and understanding where we were at. Dr. Abraham is at his best when you are able to ask questions one-on-one, so office hours or online questions via Ed were extremely useful, and he made himself very available via Ed, answering very quickly.
- He changed the course work to be a little easier after students went to the BIOE department to voice concerns. This instructor is a very nice person and approachable.