

**College of Engineering, Cornell University**

**Course Evaluation Response Summary**

**Semester: Fall 2025 Course Owner: ORIE**

**Course: ENGRI 1101 Lec 1 CID: 4440**

**Instructor: Schalekamp**

**60 Responses, 124 Enrolled, 48.39% Response**

Question	Mean	Count	1	2	3	4	5
11. [Course Content] Preparation: How well prepared were you to learn the material in this course? 1. Very under prepared, more pre-requisites needed 2. Under prepared 3. Adequately prepared 4. Over prepared in some areas 5. Over prepared, material largely duplicates pre-requisites	3.24	59	0	4	39	14	2
12. [Course Content] Content Organization: Did the course structure and organization facilitate your learning? 1. Very disorganized, significantly hindered my learning 2. Somewhat disorganized 3. Adequately organized 4. Well organized 5. Very well organized and structured, significantly enhanced my learning	4.24	58	0	0	11	22	25
13. [Course Content] Synthesize & Apply Content: This course challenged me to synthesize ideas, think critically about the content, and apply the material to unfamiliar topics and problems. 1. Not at all 2. Occasionally 3. Every few classes 4. Many classes and assignments 5. Nearly every class and assignment	4.39	59	0	0	7	22	30
14. [Course Content] Examples & Applications: Were the number and variety of examples and practical applications presented appropriate to the course content and beneficial to your learning? 1. No, almost no examples 2. A few, but insufficient number and/or mostly trivial 3. Some, but more or higher quality would have been helpful 4. Yes, including some very good ones 5. Excellent use of examples and applications that significantly increased my understanding of the material	4.36	59	0	0	8	22	29
21. [Course Delivery] Lectures: As a whole, were lectures clear, well-structured, free of significant or frequent errors, and did they appropriately cover the course content? 1. No, usually poorly done 2. Sometimes 3. Usually adequate 4. Usually good 5. Nearly always very good	4.60	58	0	0	4	15	39
22. [Course Delivery] Context: Did the lecturer motivate the course content and place it in the context of your major or your overall engineering/science education (beyond fulfilling a degree requirement)? 1. No 2. Somewhat 3. Adequately 4. Mostly 5. Absolutely	4.40	58	0	3	4	18	33

23. [Course Delivery] Engagement: Did the lecturer present material in an engaging way, which improved your understanding of the course content?	4.48	58	0	0	9	12	37
1. No, generally boring 2. Rarely engaging 3. Generally held my attention 4. Engaging 5. Very engaging and often required actively thinking about material							
31. [Recitation or Discussion Section] Was the section effective in increasing your understanding of, and ability to use, the course material?	--	0	0	0	0	0	0
1. No, usually poorly done 2. Sometimes 3. Usually adequate 4. Usually good 5. Nearly always very good							
41. [Laboratory Section] Lab Activities: How valuable were laboratory activities in enhancing your learning in this course (e.g., taught specific skills, provided experience with real equipment and data, provided hands-on experience, increased my understanding of the material)?	3.55	58	3	5	19	19	12
1. Minimal value 2. Occasional value 3. Moderate value 4. Significant value 5. Very valuable, well worth time spent on them							
42. [Laboratory Section] Lab expectations: Were lab expectations (goals, tasks, reports, deadlines, etc.) clear and realistic?	4.10	58	1	2	13	16	26
1. Not at all 2. Partially 3. Adequately 4. Usually clear and realistic 5. Almost always very clear and realistic							
43. [Laboratory Section] Lab resources: Were lab resources (equipment, software, information, instructions, etc.) sufficient to provide a positive experience?	3.97	58	0	3	18	15	22
1. Rarely sufficient, severely detracted from the experience 2. Sometimes sufficient 3. Usually sufficient 4. Almost always sufficient 5. Excellent resources that enhanced the laboratory experience							
44. [Laboratory Section] Lab Staffing: Support and help, during lab and for lab reports, were sufficient to successfully complete and analyze experiments.	3.74	57	2	1	20	21	13
1. Rarely sufficient 2. Partially sufficient 3. Adequate 4. Almost always sufficient 5. Excellent, significantly enhanced the laboratory experience							
51. [Workload, Resources, Assignments & Assessment] Workload: How many hours per week, on average, did you spend doing work associated with this course outside of scheduled class time?	1.97	59	18	28	10	3	0
1. <3 hours 2. 3-6 3. 7-10 4. 11-15 5. >15 hours							
52. [Workload, Resources, Assignments & Assessment] Workload Value: The time spent on various assignments (homework, lab reports, coding, projects) was reasonable for the amount it improved my understanding of the course content.	3.88	59	0	2	21	18	18
1. Little value relative to the time required 2. Some value 3. Reasonable value for the time spent 4. Good value for time spent 5. Excellent value to time ratio							

<p>53. [Workload, Resources, Assignments &amp; Assessment] Resources: How valuable were outside of class-time resources (e.g., readings, videos, online content, course notes) in building your understanding?</p> <p>1. Minimal value 2. Occasional value 3. Moderate value 4. Significant value 5. Very valuable, well worth the time spent on them</p>	<table border="1"> <tr> <td>3.71</td><td>59</td><td>1</td><td>5</td><td>18</td><td>21</td><td>14</td></tr> </table>	3.71	59	1	5	18	21	14
3.71	59	1	5	18	21	14		
<p>54. [Workload, Resources, Assignments &amp; Assessment] Value of Assignments: Independent of the time required, overall, did assignments (e.g., homework, labs, programming assignments, projects, papers, presentations) improve your understanding of, and ability to use, the course concepts and content?</p> <p>1. Minimally 2. Sometimes 3. Usually 4. Almost always 5. Reliably and significantly increased my understanding and ability</p>	<table border="1"> <tr> <td>4.31</td><td>59</td><td>0</td><td>0</td><td>8</td><td>25</td><td>26</td></tr> </table>	4.31	59	0	0	8	25	26
4.31	59	0	0	8	25	26		
<p>55. [Workload, Resources, Assignments &amp; Assessment] Exams &amp; Grading: Were exams and grading a fair and reasonable measure of your learning? (Exams: clear, well written, range of content and difficulty. Grading: fair, prompt.)</p> <p>1. No 2. Significant issues exist 3. Generally fair assessment of my learning 4. Well developed and fair 5. Yes, definitely</p>	<table border="1"> <tr> <td>4.36</td><td>59</td><td>0</td><td>0</td><td>11</td><td>16</td><td>32</td></tr> </table>	4.36	59	0	0	11	16	32
4.36	59	0	0	11	16	32		
<p>61. [Course Environment] Diversity &amp; Inclusion: To what extent have the professors and teaching staff fostered an inclusive environment such that the class is welcoming to all, everyone is encouraged to participate, none are made to feel different, and all are treated fairly?</p> <p>1. Extremely non-inclusive with inappropriate comments and/or behaviors 2. Actively not inclusive with certain students ignored, left out, or treated dismissively 3. Passively not inclusive; comments or contributions by some students are valued less than those of other students 4. Passively inclusive where everyone is welcome to participate. Nothing specific to encourage or discourage anyone. 5. Actively inclusive, all are fully encouraged to participate and are supported</p>	<table border="1"> <tr> <td>4.59</td><td>59</td><td>0</td><td>1</td><td>2</td><td>17</td><td>39</td></tr> </table>	4.59	59	0	1	2	17	39
4.59	59	0	1	2	17	39		
<p>62. [Course Environment] Access to Assistance: Was there sufficient access to assistance (through office hours, online forums, in-class or section questions and/or activities, special accommodations met, etc.)?</p> <p>1. Almost no access and/or help was ineffective 2. Limited access or value 3. Acceptable access and help 4. Good access with quality help 5. Abundantly available high quality help</p>	<table border="1"> <tr> <td>4.19</td><td>57</td><td>0</td><td>3</td><td>7</td><td>23</td><td>24</td></tr> </table>	4.19	57	0	3	7	23	24
4.19	57	0	3	7	23	24		
<p>63. [Course Environment] Academic Integrity: Was the code of academic integrity maintained in the class (e.g. with respect to cheating, copying, plagiarism, use of unauthorized sources, etc.)?</p> <p>1. Blatant disregard for Academic Integrity 2. No. Violations clearly occurred that were not addressed. 3. Not strongly. Violations could well have occurred (even if I am not aware of any). 4. Yes. Instructor took reasonable steps to maintain academic integrity. 5. Yes. Academic integrity was clearly and intentionally maintained.</p>	<table border="1"> <tr> <td>4.64</td><td>58</td><td>0</td><td>0</td><td>3</td><td>15</td><td>40</td></tr> </table>	4.64	58	0	0	3	15	40
4.64	58	0	0	3	15	40		
<p>91. [Comparison to Other Courses] Instructor: Rate the overall teaching effectiveness of your lecturer compared to others at Cornell.</p> <p>1 = Worse than average 5 = Much better than average</p>	<table border="1"> <tr> <td>4.69</td><td>59</td><td>0</td><td>0</td><td>3</td><td>12</td><td>44</td></tr> </table>	4.69	59	0	0	3	12	44
4.69	59	0	0	3	12	44		

92. [Comparison to Other Courses] Course: Overall, how does this course compare with other comparable (technical or non-technical, as appropriate) courses you've taken at Cornell?

1 = Poorly, not educational

5 = Excellently, extremely educational

4.47	59	0	0	6	19	34
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### **Comments On Course Content**

2371: Liked the setup of lectures followed by prefabs and labs- really helped solidify information

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3097: The course content was extremely well organized (we were given a course pack at the beginning of the semester). The course pack and lectures made learning very understandable.

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4254: The course is very thoughtfully designed and gives an amazing introduction to the field of operations research. It is wonderfully organized, being also accompanied by an in-depth coursepack that can enhance the understanding of the material. The real-world applications of each optimization technique are shown, and the homework allows you to apply the technique to a number of probable scenarios.

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5483: the course was well and understanding however it can be easily lost as the topic was kind of quick

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5677: Going into this class I had little to know understanding of what operations research is. I expected things along the lines of the traveling salesman problem, but was pleasantly surprised by the expansiveness that this course went into. The content was extremely engaging and it was presented to us in a very fun and exciting way.

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5781: Content covered a wide range of topics

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6871: The course content is very interesting and I like how it is applicable to real life.

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6891: The course content very much interests me as an ORIE major.

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6927: I feel like the content in this course brushes up on incredibly interesting and applicable concepts. Additionally, the course covers topics important for CS 2110.

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7820: The course content was well structured and organized in a way such that I could make clear connections from one topic to another.

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8439: I think the course contents teaches the fundamental skills of ORE, which I will need in future ORE classes.

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8665: Course contents are heavily logistics-based and very helpful for developing critical thinking.

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11795: The course content was taught well and was interesting.

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12357: This course was very interesting and the course content helped improve my problem solving skills.

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### **Comments on Course Delivery**

734: Amazing professor. The delivery of the material was super engaging, I actually wanted to continue learning the content because I was curious about it.

2371: Lectures were very helpful and professor is very good at explaining concepts

3097: The course delivery is great. My professor is always super engaged and friendly which makes being in the class really enjoyable.

4254: Professor Schalekamp is a truly incredible instructor. He has an immense amount of knowledge and is able to clearly pass on the knowledge in a way that someone with no previous experience would be able to understand the most difficult topics. His lecture notes fully capture the topic being taught and are easy to follow when looking back at them. Besides teaching the required materials, he also goes into interesting aspects of the technique or how they can be applied to a real problem, pushing me to want to learn more. Everything you need to know for the class is fully covered in the lectures, and while he assigns challenging questions to make you a better thinker, he doesn't try to trick you with things that you weren't taught.

5483: the homework made understanding the course better however there was very short amount of examples therefore lack of practice

5677: Professor Schalekamp was easily my favorite teacher that I had all year. Perfect marks on everything. He is extremely affable and down to earth to each student despite teaching a 200 person class, and he is well versed in the topic and answers every question anyone asks. Wish I could take this class again just for the professor.

5781: At times, lectures could be slow but I appreciated the detailed explanations of each topic

6166: I wonder if there are more ways to make the lecture more engaging such as asking questions on the board and asking us to discuss with peers before revealing the answer.

6871: Frans is always very excited and teaches the lecture well. It's a bit confusing at times, but he helps a lot with easing our understanding.

6891: Professor Schalekamp is the kind, helpful, informative, charismatic professor every student deserves.

7820: The lecturer provided examples for each topic that helped make the material more engaging. The lecturer also talked about applications of the content outside the course, placing it in the context my engineering/science education beyond fulfilling a degree requirement.

8439: Very well spoken and clear professor.

8665: Course delivery is elite and very engaging. I love Prof. Frans, and he has made this class so much more enjoyable and easy to comprehend.

11795: The teacher was engaging but sometimes the course content was not communicated clearly.

12357: The professor made each lesson easy to understand because he explained it very well.

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### **Comments on laboratory component**

2371: n/a

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3097: I found the lab's helpful content-wise, but I mostly did them independently because in our lab sections it would just be people working in silence.

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3584: The lab was absolutely useless. The students are not that good with the material and didnt teach us anything

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4254: The content of the labs is extremely related to the course material, and helped advance my understanding of the topics. The instructions were clear on what was meant to be done, and the exercises were easy to follow. I do wish that the lab TAs would be more welcoming of questions and not get angry when a student needs to ask multiple questions to understand a challenging topic.

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5677: The lab was very helpful in understanding different aspects of the course content. It wasn't too crazy and was a great little extra supplement to the rest of the course.

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5781: Attending lab sections often was not very helpful in completing the labs, but the labs themselves were helpful in improving my understanding of topics in real world contexts. At times, questions in the labs were not worded clearly though which was confusing

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6891: Sometimes the labs were quite challenging and required a bit of knowledge outside the course or knowledge of future lectures (not by much, though).

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7820: The laboratory component helped improve my understanding of the material, especially how to approach solving reductions.

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8439: TA's were available and happy to help usually.

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8665: Very unique experience and helped my learning in this course.

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10433: My TA rarely engaged with us and often gave me incorrect answers if I had questions. Made attending recitation feel like a waste of time.

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11795: The labs were helpful in reinforcing class content.

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12357: The laboratory component allowed me to learn better by applying the content to real life problems in those labs.

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12432: The increase in difficulty for labs was like an exponential curve and the very difficult ones were extremely difficult and time consuming (took me more than the allotted lab time), however most were usually the perfect amount of time.

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### **Comments on workload, resources, assignments, and assessments**

2371: n/a

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3097: Assignments and pre-labs were great at helping me really understand and apply the content of the lecture.

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4254: The amount of work assigned is extremely reasonable, and working through the homework or labs truly enhanced my understanding of the materials. While I would learn a technique in lecture, completing the assigned problems helped me practice and master the techniques. There was never a time when I felt that I was assigned work that wasn't helping me succeed in the class. The exams remained true to the scope of the course, they were extremely fair, and the questions were designed to test your understanding of the material, not trick you into losing points. However, the grading on the exams is a bit rigid, with different graders having widely different leniency levels.

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5677: Perfect amount of workload for the class.

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6871: The homework was extremely helpful in helping my understanding of each problem and topic.

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6891: I feel we should get a bit more practice, but besides that, I have no complaints.

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7820: I found resources such as the course pack to be extremely helpful when understanding the material and preparing for prelims. The workload was very reasonable and the homework assignments helped me learn as well.

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8415: Assignments were very engaging and often required deep thought.

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8439: Assignments were moderate difficulty.

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8665: Workloads are manageable. Resources and assignments adhere to class material. Assessments are fair.

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11795: The assessments were pretty fair and the resources such as the course pack were pretty helpful.

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12357: The workload was manageable and the exams and grading were most certainly fair. The assignments and homework help prepare us very well for exams.

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### **Comments on Environment-Diversity**

2371: n/a

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7820: n/a

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8439: No issues. The professor was very inclusive and welcoming to everyone.

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8665: n/a

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10433: My TA - Frances - laughed at people who try to answer questions and get it wrong. Not very encouraging.

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11795: None, no issues.

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12357: None, actively inclusive.

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### **Comments on Environment-Assistance**

2371: when I was out sick for a month and had to have surgery the professor was super helpful and would send me recorded lectures

3097: Yes! My professor even takes 1-on-1 time to meet with me when I need help outside of his office hours.

4254: Many of the TA office hours occurred at the same time, just in different rooms, and were during the most common lecture times, which made finding an office hour time that worked with my schedule difficult. There are only office hours in the first three days of the week, and I understand that there are lab sections on Thursdays and Fridays; however, it would be nice if there were office hours on those days since the lab TAs would not answer homework-related questions.

6891: The course packet is great.

6927: Youtube has been an amazing resource for understanding some of the underlying theory of the contents covered

7820: Ed discussion and office hours provided great help while taking this course. Both resources were always available and reliable.

8665: n/a

11795: There was good access to the TA during labs and during ed discussions.

12357: The office hours and professor's ED Discussion were all very helpful.

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**Comments on Environment-Academic Integrity**

2371: n/a

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6891: N/A

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7820: n/a

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8665: n/a

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11795: None, no issues.

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### **Comments on TA**

676: Esha Shah - super helpful and listened in depth to the questions I had.

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8665: Esha Shah, because she is kind and patient.

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11795: None, I would not like to nominate a TA.

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### **Comments on Strengths**

676: The Course Pack

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734: The coursepack (textbook-style packet of information) that the professor provided was extremely helpful. I liked that the information he explained in the lectures matched up very closely with the provided resources, so if I fell behind or couldn't understand something the first time I didn't feel overwhelmed to catch up.

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2037: amazing prof

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2371: The practice tests

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2809: The professor was always open to questions after class and is incredibly approachable.

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3097: I think some aspects of this course that was most helpful to my learning was just having all the information laid out in the course pack so that I had a resource every time I needed help.

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3841: Homework assignments

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3961: Professor Schalekamp was very good in lecture, explained everything really well. His lectures were engaging and thorough. I did not need to do much extra study as his lectures were sufficient.

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4254: Professor Schalekamp has had the most significant impact on my learning. His teaching and willingness to stop and answer questions have made the material easier to grasp. He clearly teaches you everything that you need to know, adding examples and pointing out areas where it is easy to get tripped up. The course material can be confusing at times; however, the way he teaches it makes it completely understandable. His lecture notes, coursework, and the way the homework questions are designed to mimic exam questions, but with more depth, which more than prepares you for the exams, set you up for success.

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5677: The homework and lectures were the most helpful. To be honest though, it would not be the same without the professor. He is just an incredible teacher.

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6764: I think the homeworks and lecture notes were most helpful because they helped me review the most effectively for any prelims and were very clear.

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6871: I like how this course can actually be used outside of class.

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6891: Not only was the content of this course very informative, the lecturer further kept me engaged. I'm very lucky to have this lecturer for my experience with this class, he made it easier to understand the material and is clearly passionate about what he does.

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6927: The homework assignments and lectures were amazing for helping me learn and stay engaged.

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7771: I thought that the resources provided in this course were extremely helpful because it allowed me to be prepared for the next lecture so I could better understand the topic.

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7820: I found resources like the course pack to be most helpful to my learning.

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8415: The course packet was very clear and helpful.

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8439: Labs and Lectures

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8657: Office hours

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8665: The content and the professor made this course very interesting.

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8741: The coursepack was a very helpfull resource.

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11408: the lectures and work were both helpful to my understanding

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11795: The labs and class lectures were most helpful.

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12357: Professor was very prepared and explained everything very thoroughly.

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### **Comments on Weaknesses**

2371: n/a

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2809: Nothing!

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3097: I think lab sections could be more engaging or helpful.

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3841: Lengthy lab assignments

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5677: No. If the lab was replaced with another lecture by Professor Schalekamp, I would have learned more and been more engaged.

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5781: Lectures were sometimes slow, so moving forward from topics quicker might be useful and doing more examples.

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6764: Maybe hold a partner matching 'quiz' so people who don't know anyone else in the class can find a partner to collaborate with on the homework assignments.

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6871: No weaknesses.

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6891: Sometimes the labs were pretty hard and demanded a bit of programming knowledge (I didn't have any huge struggles with it personally but I know some people who did).

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6927: The recitations felt forced at times and are way too long for the amount of work assigned.

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7771: I don't think there were many weaknesses for the course.

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7820: n/a

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8439: None

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8665: n/a

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11795: There are no major weaknesses to this course.

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