| Question | Mean | Count | 1 | 2 | 3 | 4 | 5 |
|--|------|-------|---|---|----|----|----|
| 11. [Course Content] Preparation: How well prepared were you to learn the | | | | | | | _ |
| material in this course? | 3.29 | 108 | 0 | 6 | 72 | 23 | 7 |
| 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 | | | r | | | 1 | |
| 12. [Course Content] Content Organization: Did the course structure and | | | ~ | | ~~ | 10 | 07 |
| organization facilitate your learning? | 4.06 | 108 | 0 | 1 | 28 | 42 | 37 |
| 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 | | | - | | | | |
| 13. [Course Content] Synthesize & Apply Content: This course challenged | | | | | | | |
| me to synthesize ideas, think critically about the content, and apply the | 4.19 | 108 | 0 | 4 | 17 | 41 | 46 |
| 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 | | | | | | | |
| 14. [Course Content] Examples & Applications: Were the number and | | | | _ | | | |
| variety of examples and practical applications presented appropriate to the | 4.31 | 108 | 0 | 2 | 14 | 41 | 51 |
| course content and for your learning style? | | | | | | | |
| 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 | | | - | | | | |
| 21. [Course Delivery] Lectures: As a whole, were lectures clear, well- | | | | | 10 | 10 | 50 |
| structured, free of significant or frequent errors, and did they appropriately | 4.35 | 107 | 1 | 0 | 13 | 40 | 53 |
| cover the course content? | | | | | | | |
| 1. No, usually poorly done | | | | | | | |
| 2. Sometimes | | | | | | | |
| 3. Usually adequate | | | | | | | |
| 4. Usually good | | | | | | | |
| 5. Nearly always very good | | | | | | | |
| 22. [Course Delivery] Context: Did the lecturer motivate the course content | 4.00 | 407 | | | 15 | 24 | 50 |
| and place it in the context of your major or your overall engineering | 4.36 | 107 | 1 | 1 | 15 | 31 | 59 |
| education (beyond fulfilling a degree requirement)? | L | | l | | | | |
| 1. No | | | | | | | |
| 2. Somewhat | | | | | | | |
| 3. Adequately | | | | | | | |
| 4. Mostly | | | | | | | |
| 5. Absolutely | J | | | | | | |

| | | | - | | | | |
|---|------|-----|----|-----|----|-----|----|
| 23. [Course Delivery] Engagement: Did the lecturer present material in an | | | | | | | |
| engaging way, which improved your understanding of the course content? | 4.26 | 107 | 0 | 2 | 15 | 43 | 47 |
| 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 | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 |
| increasing your understanding of, and ability to use, the course material? | | U | Ŭ | Ū | Ū | Ŭ | Ŭ |
| 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 | 3.39 | 105 | 4 | 17 | 38 | 26 | 20 |
| skills, provided experience with real equipment and data, provided hands- | | | | | | | |
| on experience, increased my understanding of the material)? | | - | - | | | | |
| 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, | | | r | 1 | | 1 | |
| tasks, reports, deadlines, etc.) clear and realistic? | 4.06 | 106 | 0 | 6 | 28 | 26 | 46 |
| 1. Not at all | 4.00 | 100 | Ŭ | Ŭ | 20 | 20 | 40 |
| | | | | | | | |
| 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 | 3.84 | 106 | 2 | 6 | 33 | 31 | 34 |
| experience? | | | | | | | |
| 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 | 1 1 | | | | | | |
| lab reports, were sufficient to successfully complete and analyze | 4.09 | 106 | 0 | 4 | 28 | 28 | 46 |
| experiments. | | | | | | | |
| 1. Rarely sufficient | | | | | | | |
| 2. Partially sufficient | | | | | | | |
| , | | | | | | | |
| Adequate Almost always sufficient | | | | | | | |
| | | | | | | | |
| 5. Excellent, significantly enhanced the laboratory experience | | - | | | | | |
| 51. [Workload, Resources, Assignments & Assessment] Workload: How | 4 70 | 100 | 25 | 64 | | ~ | |
| many hours per week, on average, did you spend doing work associated | 1.78 | 106 | 35 | 61 | 8 | 2 | 0 |
| with this course outside of scheduled class time? | | | | | | | |
| 1. <3 hours | | | | | | | |
| 2. 3-6 | | | | | | | |
| 3. 7-10 | | | | | | | |
| 4. 11-15 | | | | | | | |
| 5. >15 hours | | | | | | | |
| | 1 | | | | | | |

| | | | - | | | | |
|---|------|------|----------|----|----|-----|----|
| 52. [Workload, Resources, Assignments & Assessment] Workload Value: | | | | | | | |
| The time spent on various assignments (homework, lab reports, coding, | 3.99 | 106 | 1 | 6 | 24 | 37 | 38 |
| projects) was reasonable for the amount it improved my understanding of | | | | | | | |
| the course content. | | | | | | | |
| 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 | | | | | | | |
| 53. [Workload, Resources, Assignments & Assessment] Resources: How | | | | | | | |
| valuable were outside of class-time resources (e.g., readings, videos, | 3.67 | 106 | 3 | 11 | 33 | 30 | 29 |
| online content, course notes) in building your understanding? | | | | | | | |
| 1. Minimal value | | | | | - | | |
| 2. Occasional value | | | | | | | |
| 3. Moderate value | | | | | | | |
| 4. Significant value | | | | | | | |
| 5. Very valuable, well worth the time spent on them | | | | | | | |
| 54. [Workload, Resources, Assignments & Assessment] Value of | | | ſ | | | | |
| Assignments: Independent of the time required, overall, did assignments | 4.11 | 104 | 1 | 3 | 22 | 36 | 42 |
| | | | | | | | |
| (e.g., homework, labs, programming assignments, projects, papers, presentations) improve your understanding of, and ability to use, the | | | 1 | I | L | L | |
| | | | | | | | |
| course concepts and content? 1. Minimally | | | | | | | |
| 2. Sometimes | | | | | | | |
| 2. Sometimes 3. Usually | | | | | | | |
| | | | | | | | |
| 4. Almost always | | | | | | | |
| 5. Reliably and significantly increased my understanding and ability | ļ | | | | | | |
| 55. [Workload, Resources, Assignments & Assessment] Exams & Grading: | 4.00 | 100 | 0 | 4 | 25 | 21 | 56 |
| Were exams and grading a fair and reasonable measure of your learning? | 4.22 | 106 | 0 | 4 | 25 | 21 | 56 |
| (Exams: clear, well written, range of content and difficulty. Grading: fair, | | | <u> </u> | | | | |
| prompt.) | | | | | | | |
| 1. No | | | | | | | |
| 2. Significant issues exist | | | | | | | |
| 3. Generally fair assessment of my learning | | | | | | | |
| 4. Well developed and fair | | | | | | | |
| 5. Yes, definitely | | | | | | | |
| 61. [Course Environment] Diversity & Inclusion: To what extent have the | | 4.6- | | | | 4.0 | |
| professors and teaching staff fostered an inclusive environment such that | 4.52 | 105 | 1 | 0 | 3 | 40 | 61 |
| the class is welcoming to all, everyone is encouraged to participate, none | | | | | | | |
| are made to feel different, and all are treated fairly? | | | | | | | |
| 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 | | | | | | | |
| 62. [Course Environment] Access to Assistance: Was there sufficient | | | | | | | |
| access to assistance (through office hours, online forums, in-class or | 4.16 | 104 | 0 | 2 | 18 | 45 | 39 |
| section questions and/or activities, special accommodations met, etc.)? | - | | | | | | |
| 1. Almost no access and/or help was ineffective | | | 8 | | | | |
| 2. Limited access or value | | | | | | | |
| 3. Acceptable access and help | | | | | | | |
| 4. Good access with quality help | | | | | | | |
| 5. Abundantly available high quality help | | | | | | | |
| o. Abundantiy available high quality help | l | | | | | | |

| 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.)? 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. | 4.56 | 104 | 0 | 0 | 7 | 32 | 65 |
|---|------|-----|---|---|----|----|----|
| | | | _ | | | | |
| 91. [Comparison to Other Courses] Instructor: Rate the overall teaching effectiveness of your lecturer compared to others at Cornell. 1 = Worse than average | 4.50 | 105 | 0 | 1 | 10 | 30 | 64 |
| 5 = Much better than average | | | | | | | |
| 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? | 4.38 | 105 | 0 | 1 | 14 | 34 | 56 |
| 1 = Poorly, not educational 5 = Excellently, extremely educational | | | - | | | | |

Comments On Course Content

216: Professor did a great job of explaining different algorithms and every example deepened my understanding of what he taught.

1250: I wasn't sure about this course after the first lecture-- I was nervous as it was not at all what I expected. But that quickly changed as throughout the semester I had a lot of fun and I felt that the course material gave me a new perspective for problem solving.

1632: Pretty good.

2118: Fantastic course

2466: Content was great, wish we could've covered more, perhaps the recitations sometimes felt like we were not really doing much and that time could have been better used.

2609: Schalekamp makes it interesting and fun, incredible prof

3052: Very enjoyable to learn

4961: Kind of interesting at times but also very abstract

5451: Course content was appropriate for an intro to ORIE course. Was very interesting and sparked my interest in the subject.

5546: Amazing

5616: Interesting applications that are very relevant to engineering curriculum

6296: NA

7051: Course content was intriguing

7775: Favorite class and made me really want to do ORIE.

8354: Very fun course content!

8767: I really enjoyed the content covered in this course. It will not only help me for pursuing my ORIE major but help me understand how different parts of the world work.

10399: I really enjoyed the course content and structure

11383: I thought the course was very engaging, I really liked learning about the Max Flow and Transportation Problems the most, they seemed to have the most real-world applications.

11603: Engaging content

11654: Even though the course content was completely new to me, it was relatively easy to learn the materials.

11724: I took this class as a senior who had learned most of the material already previously, but I think as a freshman taking this class would've been very valuable in preparing for later courses

11943: This course was taught very well, every homework assignment forced me to think further and reinforced what I had learned in class.

12205: Great material and examples. Originally, it felt like discrete, separate ideas, but at the end I felt that there was a sort of a theme.

Comments on Course Delivery

216: Very engaging lecturer

1249: Just overall a fun delivery, frans is a great guy

1250: Definitely my favorite professor this semester. Every lecture was engaging and he kept things energetic and exciting.

1545: Professor is amazing at explaining topics that are complex, in a way that makes very good sense to me.

1632: Excellent.

2118: Fantastic

2409: We love Prof. Schalekamp! He made every lesson engaging.

2466: Great and engaging lectures.

2609: Schalekamp is the best

3052: Professor Schalekamp was a great lecturer. He was very knowledgeable of the material, explained it in an interesting way, and I felt motivated to come to each of the lectures even without iClickers.

4961: Frans is the best professor I had this semester, super funny and awesome guy overall.

5451: Frans is great. Is always organized and clear during lectures, and brings a cheerful humor.

5546: Very helpful real-world examples given in class that related to college students or practical job applications

5616: Sometimes lectures were a little slow, but lecturer did a good job making jokes and encouraging participation.

7051: Very well delivered, hoping to have my professor in future courses.

8354: Very fun class to sit in!

8431: Frans always seemed very passionate about the subject matter, which improved the lectures greatly.

8767: No comments. All wonderful

10399: I loved lectures!

11383: Sometimes, the content presented can get very repetitive and boring.

11603: Every single lecture included sitting there and listening and taking notes, with the occasional question

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asked to the class. No problems where we had to solve it in class amongst ourselves, talk in groups, or any other thing that you could do during a lecture instead of just sitting and copying the notes from the board.

11654: The instructor made the course easy to learn and interesting. His explanations and examples during lectures helped me understand the materials better.

11943: The lectures were very engaging, forcing me to think deeply during the lectures about how to solve a specific problem. Along with that, Frans is a very entertaining lecturer and always made it interesting, often relating the problems to real life.

12205: Good, surprisingly did like the use of notes and writing, rather than a presentation. Amazing coursepack.

Comments on laboratory component

216: Labs were another way to deepen understanding of topics, however sometimes they seemed like they weren't that helpful

1249: The TA's did an amazing job

1545: The labs helped me lock in my understanding of many topics.

1632: Decent. Jupiter is a bit weird.

2118: Didnt usually attend, could be done virtually as another hw assignment.

2409: Lab was very helpful for cementing understanding of the course content.

2466: Sometimes lab just felt like running code that was already there for us.

2609: I think the lab format needs to be changed, the labs are super long and very boring, much less teaching value than the homework assignments or lectures. They need to be more concise and on a better format than the jupyter thing which is annoying and sometimes doesn't work right and we don't lean how to code anyways so whats the point

4961: Lab was ok.

5399: The labs were extremely long and discouraged me from understanding the content to my best ability. Sometimes it was just a race to finish it because I lost interest in them very fast just because of how lengthy they were.

5451: Good.

5546: Was not a big part of the course

5616: Good labs that reinforced understanding.

7051: Labs were on a difficult to understand software, and sometimes I had to write code, even though I have not taken a coding course yet and there are no coding prerequisites.

8354: Sometimes jupyter notebooks were faulty.

8431: Sometimes the labs seemed redundant as it was basically a restructured version of the homework.

8767: I enjoyed the labs because they were hands on and helped me understand the content. I think sometimes the labs felt like just running code without actually stopping and understanding whats happening, so maybe making them a little more interactive.

10399: Lab was okay, sometimes overwhelming

11383: No real comments, labs were alright experiences that did aid lecture content.

11603: The Labs were broken the first week and did not work for many people so that wasn't good. The labs were TOO LONG so for the last couple labs even when I got there 30 mins early, I would barely finish on time, meaning that if I had gotten there on time, I wouldn't have finished by the time the lab was over. There should be actual information and support in the lab itself or clearly displayed as to how to code in python when this is needed and especially how to include a photo in the lab, just having the words on the board [file.jpg] isn't actually helpful as to how to include a file / image in the lab. I wish the TA's walked around and asked if anyone had questions because you had to get up if you had a question which was time consuming and the way the furniture is set up it's very cramped so it was not a fun experience. Jacob the TA explained topics to the women students like they were stupid so he should work on having better explanations.

11654: The recitations provided helpful supplementary information and helped me understand the content better. However, some of the exercises in recitations seemed unrelated to the content covered in the lecture. The TAs were very helpful and helped clarify the instructions.

11943: The labs were very helpful at reinforcing what we were learning that week. Once or twice the instructions were slightly unclear, but in those cases the TAs could almost always help us.

12205: Enjoyed the labs, helped you figure out how all the algorithms/heuristics work.

12272: I just personally found lab very boring and unhelpful.

Comments on workload, resources, assignments, and assessments

1632: Decently easy class.

2118: Workload was good and fair

2212: exams very fair

2609: Assessments were incredibly well done, clear questions and prelim 2 had an incredible bonus question

2732: The course pack / main resource made heavy use of AI generated images purely for aesthetic value. The use of AI image generation is one with questionable ethics, so I feel the need to note a mild discomfort with that when given the opportunity. The course pack is freely available with the course, so I don't mind that much, but I still think that whether this is something Cornell professors should be using so liberally is in question.

4961: Homeworks and exams graded pretty harsh

5399: Workload, resources, assignments, and assessments were all fair and helpful.

5451: Good workload. Not too much work but still learned all the material.

5616: Really fair exams that encouraged thinking. Homework/labs used applications and encouraged applying knowledge in different topics--very good problems solving practice.

8354: Fair assessments and assignments.

8431: Homework could be quite difficult and time consuming at times, but working through it always left me with a better understanding of the topics.

8767: No comments. Homework was difficult at first but slowly I understood more and more. Office hours helped greatly.

10399: I think the course was well structured and graded well

10829: The homeworks were really effective in helping me practice my knowledge on ORIE. And there were also crucial during my studying for the exams, which consisted of going through all my previous notes from lecture, redoing homeworks and doing the practice prelim, clarifying any mistake I had made using the notes in the coursepack. However, when it came to the actual examination, there were questions which tested content that we had never gone through in lectures and never appeared in any of the homeworks or had a clear section in the coursepack (e.g. Prelim 2's question 4). I understand that the question is fair game, but it would have been really helpful to have at least gone through a similar reduction in lecture.

11383: The workload was light and that is one of the many positives of this course.

11603: BIG PROBLEM: My friend and I would submit almost word for word the exact same homework assignment because we would do the problem together and write our answers together (in our own words but often there is only one way to do a problem so it would be the same exact structure and answer) and TWICE when we had the

SAME answer, I would get a major deduction of points and my friend would get NO deduction of points. Again: We had the same answer and I would get a MAJOR DEDUCTION and the friend would get NO DEDUCTION. This resulted in large grade discrepancies between us for these assignments, despite having the SAME ANSWER. Once this unfair grading resulted in a 67/100 compared to friend's 75/100 which is BIG DIFFERENCE. This happened again resulting in another poor grade for another homework assignment. We felt that if we reported this, the friend would have their grade lowered rather than my grade improved. I just want consistent grading, even if they are both wrong then have them be wrong and take points away from both of us rather than just one. Also PLEASE ANNOUNCE when homework grades are released because I did not get a email from gradescope for at least many of the homework grades released, despite getting notifications from my other classes when changes on gradescope were made, which means by the time I saw the grade and asked the prof/TA about this, it was too late to submit a regrade request because I didn't know how much time I had left to submit because I didn't know when grades were released and it didn't say when anywhere.

11654: We had an adequate amount of homework every week and I was able to complete them usually by going over lecture notes or going to the office hours. They helped me understand the concepts better and prepare for the exams.

11943: Assignments towards the beginning of the semester defiantly took longer, but I slowly got more efficient at them. The grading has been fair.

12205: Assignments and labs took around an hour and a half each, and they covered all the material very nicely. Basically just doing them and reading the coursepack gave you 99% of the knowledge you needed to ace the exams.

12272: The exams were fine, but the assignments were not very helpful.

Comments on Environment-Diversity

2609: No issues

7775: TAs are helpful and knoweledgable.

11383: No issues with inclusivity, everyone could speak.

Comments on Environment-Assistance

2609: no comments

4961: TAs were pretty useless ngl they didn't really help much

5451: There was a good amount of office hours if you needed help and the TAs where very helpful.

5616: Ed discussion platform and numerous office hours.

6046: Professor Frans' office hours were very useful as he was able to clearly breakdown concepts that I couldn't quite grasp after the lecture and reading the coursepack.

8354: TA help was always available.

8767: I used office ours a lot, as well as ED. Both were amazing resources. The staff were incredible in responding in ways I could understand.

11383: They were available many times, I personally didn't need to go but there is value to be found.

Comments on Environment-Academic Integrity

216: Professor even told us of the new policy of taking pictures of the lecture.

2609: no issues

8354: Clear expections!

Comments on TA

1199: EJ. Always helped me a lot with assignments and very patient with explanations.

| 1632: EJ | |
|--|---|
| 2506: EJ | _ |
| 2997: N/A | |
| 4341: n/a | |
| 8767: I'd like to nominate TA Amin. I found his office hours and teaching style extremely helpful. | _ |

11943: Emily and Lily. They were both very helpful during labs and willing to talk to us about their time in the ORIE department. Also, they have hosted review sessions before all of our exams.

Comments on Strengths

216: The engaging lectures

1199: Everything, thanks for this class!

1249: Amazing prof and amazing TA's. some concepts were hard and could be better but to be expected with all courses i guess

1250: Having an engaging professor who very clearly loved the subject he was teaching made it much more fun to learn.

1545: The structure. The way that we went through the material made it manageable, and even though things didn't build off each other all the time, the prior topics always helped my understanding of what we would do next.

1970: I think the lectures were the most helpful to my learning and engagement.

2118: Lectures and examples

2221: I liked the lectures and the fact that the Professor took questions at essentially any time to ensure that the learning was clear to everyone in the audience.

2409: The homeworks, engaging lectures, stimulating labs (basically all parts of the course).

2466: Great Proffessor, very interesting and easy to follow lectures.

2576: The homework assignments were thought provoking and helped me learn and apply my knowledge without needing a lot of assistance. The lectures were also fun and interesting.

2609: lectures, schalekamp being great, and hws

2997: Super applicable to what I was to study and do in the workforce.

4080: The homework assignments always helped me a lot to understand the algorithms we were learning in class and how to apply them

4341: n/a

4961: Frans was super cool

5399: Course had great materials. I thought it was very interesting.

5546: real life examples and reductions were significantly helpful in improving learning and real life examples. The professor was amazing and facilitated engaging lectures.

5616: Homework sets--while difficult, these often encouraged problem solving skills and reinforced material taught

in class.

5783: The external resources provided for this course such as Ed help from TAs and the coursepack written by the professor were extremely useful in clarifying and supplementing lecture content. Additionally, the professor was very engaging in all lectures and presented content in a application-oriented way.

6272: Super helpful professor and TAs that we're always able to help when needed.

6296: The professor reiterated things a lot, to the point where it could get annoying, Yet, this helped understand the concepts well.

7049: The course packet made by professor Frans, as well as the notes in his class. The office hours were great and very helpful, and the homework really helped prepare for the tests.

7051: the lectures

8354: The assignments were very useful to look through and work on.

8767: Homework assignments and labs.

9131: The professor's enthusiasm was the most helpful to my learning and engagement

9799: The coursepack was helpful and studying it proved effective for exams.

10399: I really liked how straight forward lecture was, and how the homework assignments had us practice things. Comments on the homework and grades were also helpful in understanding what I did wrong.

10595: Definitely the readings and being attentive in class.

11383: Workload is light Course is mostly theoretical

11603: Fun lectures and funny professor. Nice professor and relatable prof.

11654: The instructor's lectures and the textbook were very helpful to my understanding of the course materials.

11943: I think that the lectures combined with the homework assignments were most helpful in my learning. The lectures set up the content and the homework helped to drill it in. Frans has been my favorite lecturer.

12272: The textbook was very helpful with understanding the content.

12616: assignments and going to TA's for help

Comments on Weaknesses

216: Class was relatively easy, maybe a bot more of a challenge would be better

1970: Sometimes some of the questions on homework are not very clear.

2118: N/A

2221: The labs were kind of painful to get through and sometimes unclear.

2409: None

2609: no

2997: No weaknesses this was a great class!

4080: N/A

4341: n/a

4961: Not really a big fan but that's more because the content does not interest me personally. Sometimes it was a bit difficult but it was overall a fine class.

5399: The only thing I would change are the labs. They are clearly very in-depth and made well, but they are just way too long.

5546: Labs were somewhat tedious, lengthy, and boring.

5616: Lectures sometimes went pretty slowly and easy to get distracted, perhaps asking class more questions/soliciting engagement.

5783: I think the labs/recitation could be improved in how they expand on the content of lectures and homework assignments and the organization of the course could be improved to be more clear in terms of the overall semester schedule.

6272: N/A

6296: Because there is so much reiteration in the lectures, they become very dense to someone who did not understand them the first time. Meaning, learning simple concepts become much more complicated.

7049: The only weakness I can think of was the labs were sometimes confusing or had errors.

7051: the lab software negatively impacted my understanding of what was happening in the course

8354: I think I would have appreciated the bonus problems in homeworks to count towards our grade.

8767: Sometimes lectures go too quickly, and its hard to write down everything because the screen goes by quickly (and his handwriting is a little dodgy hahaha but great lecturer otherwise!!!).

9131: The weaknesses that impacted my learning was the lack of outside of class videos online about this topic

10595: Being even slightly distracted during lectures can be a significant hinderance because I would then be lost in trying to understand the problem/procedures.

11383: Can get very repetitive

11603: Fair and consistent grading across TAs.

11654: It would be helpful to teach students the mathematical notations that appear on the textbook at the beginning of the course.

11943: It was really good!

12272: The lab/recitations were very boring.

12616: labs were a little confusing at times but overall very good

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