



# Fall 2020 Engineering Instructor Report for FL2020.T17.JME.3710.01 - Principles of Heat Transfer (Michael Wendl)

Project Title: **Fall 2020 Course Evaluations - Danforth Campus**

Courses Audience: **41**

Responses Received: **15**

Response Ratio: **36.59%**

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## Report Comments

Welcome to your Instructor Report for WashU Course Evaluations. Below you will find response data from the specified course section. Responses to personalized questions appear at the bottom of the report.

The intention of this report is to provide feedback, and also to prompt improvement in areas that may be lacking. This report is accessible to appropriate department level and school level users, as determined by your school. We appreciate your dedication to our learning community at Washington University.

If you have questions about this report, please contact [evals@wustl.edu](mailto:evals@wustl.edu)

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Creation Date: **Tuesday, January 12, 2021**

## Course Administration

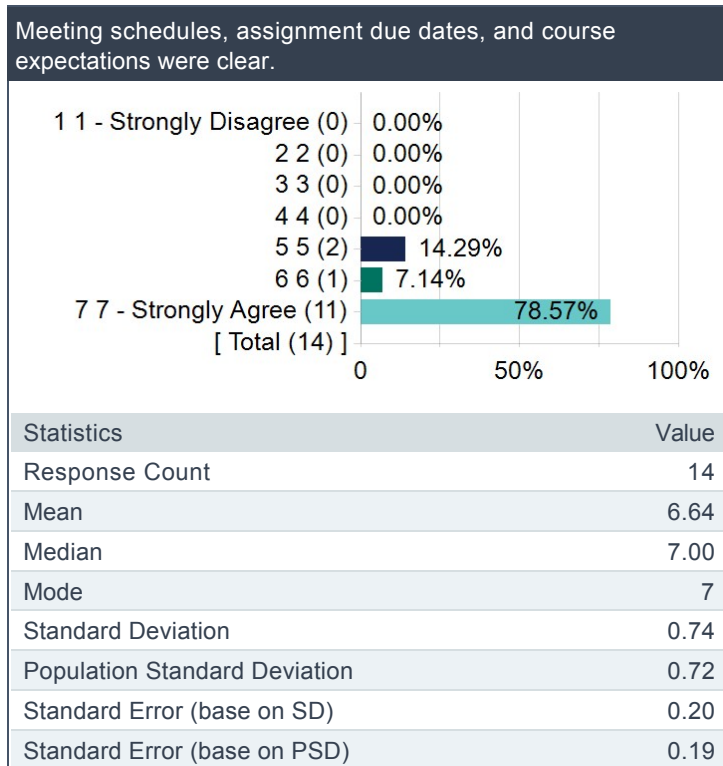
Was a course syllabus or a course information sheet distributed or available online?

Was a course syllabus or a course information sheet distributed or available online?		
Options	Count	Percentage
Yes	14	100.00%
No	0	0.00%

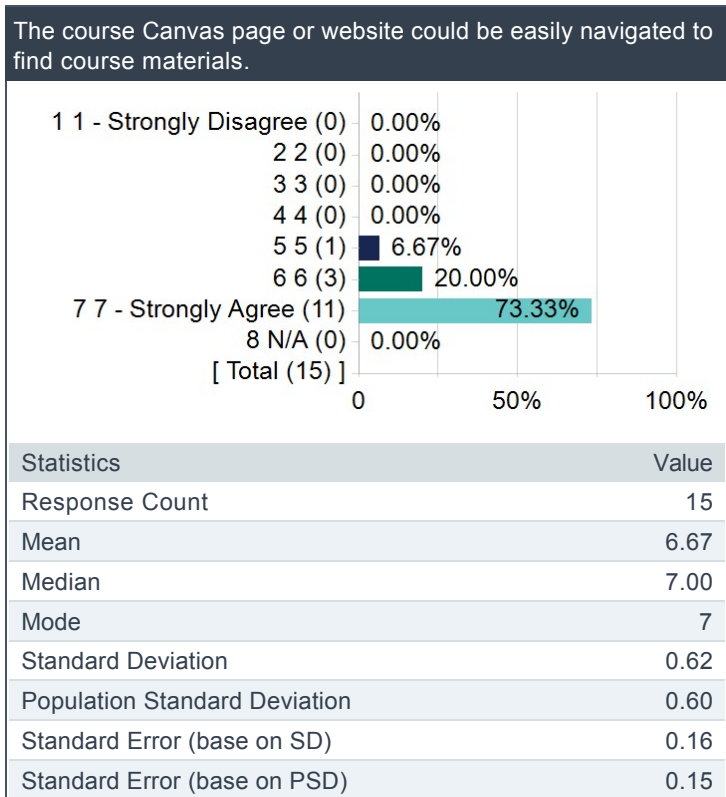
Early in the semester, did your professor explain the expectations for academic integrity?

Early in the semester, did your professor explain the expectations for academic integrity?		
Options	Count	Percentage
Yes	14	100.00%
No	0	0.00%

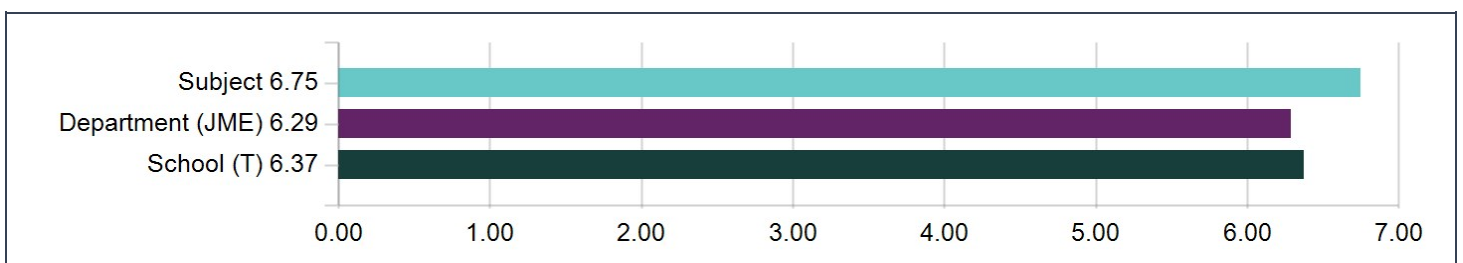
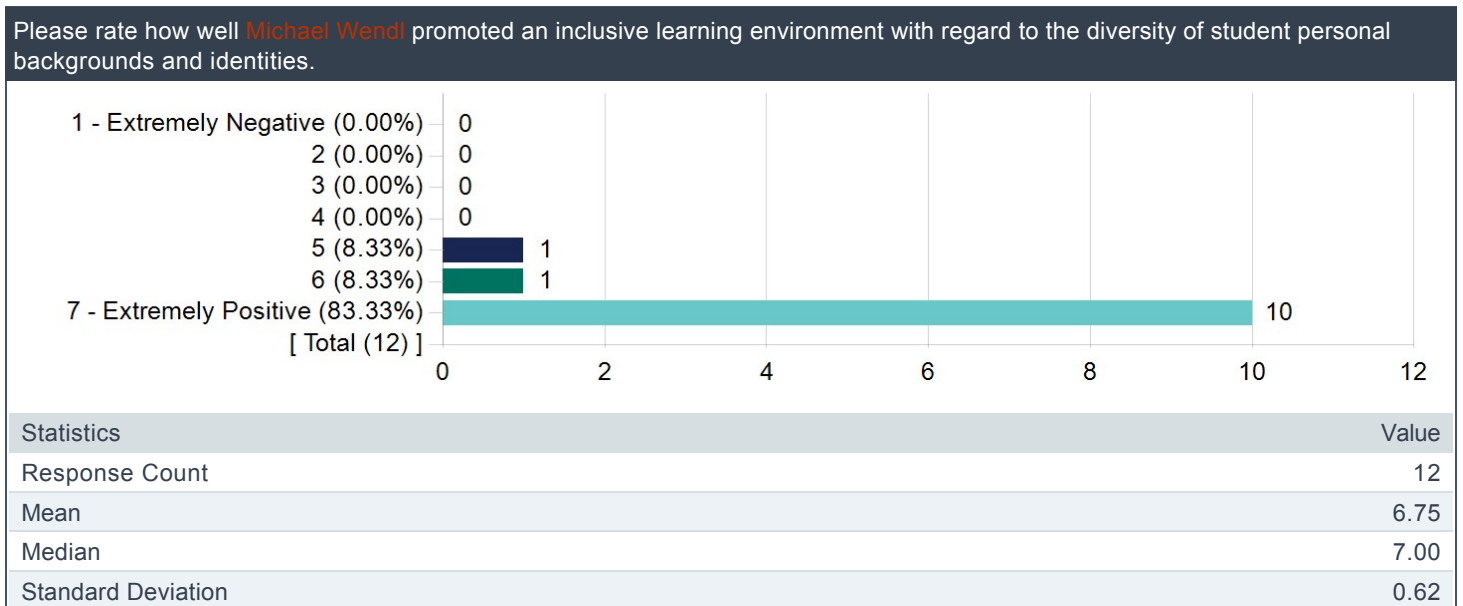
Meeting schedules, assignment due dates, and course expectations were clear.



The course Canvas page or website could be easily navigated to find course materials.



Please rate how well **Michael Wendl** promoted an inclusive learning environment with regard to the diversity of student personal backgrounds and identities.

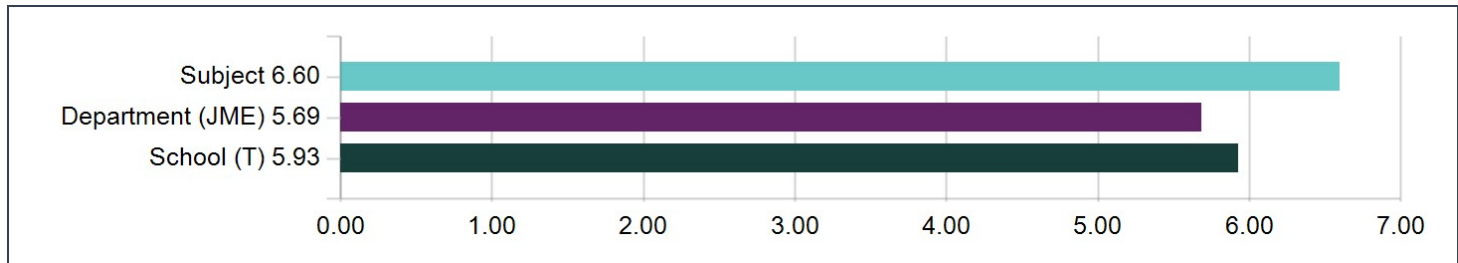
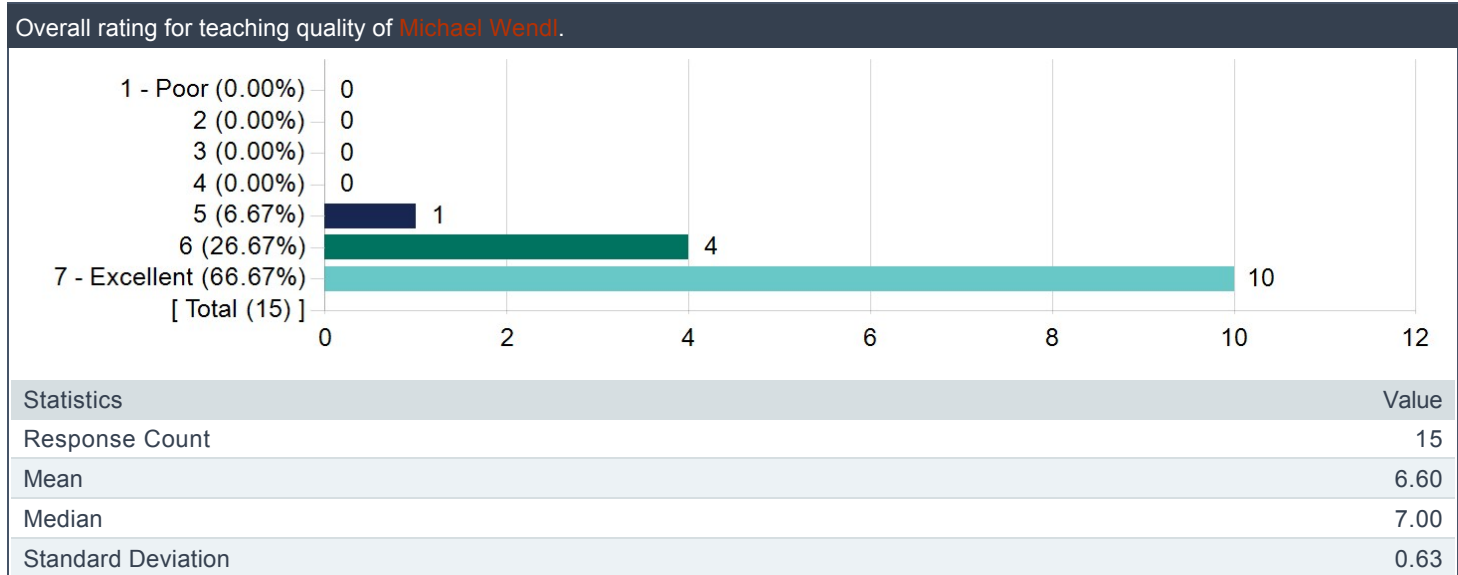


Where relevant, please give specific examples to explain your answer above.

Comments
Getting good at teaching online...

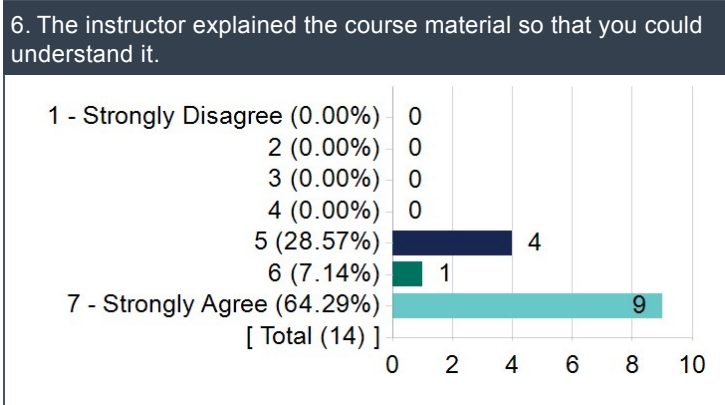
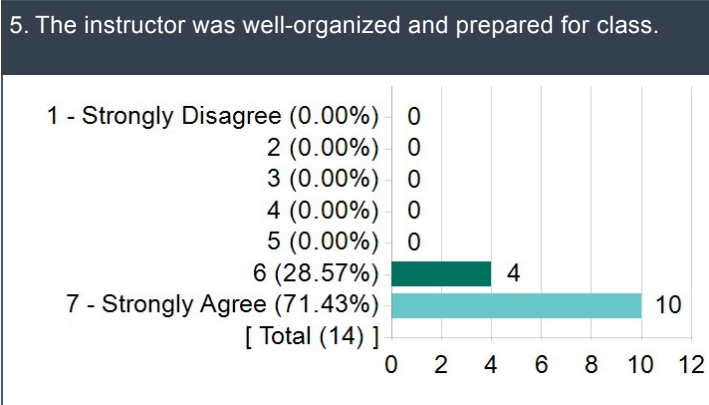
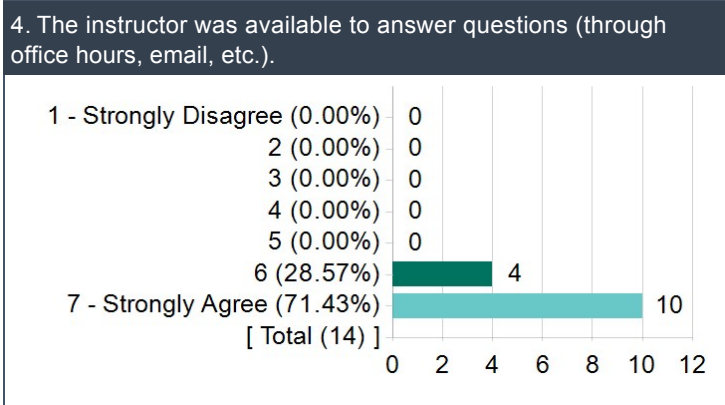
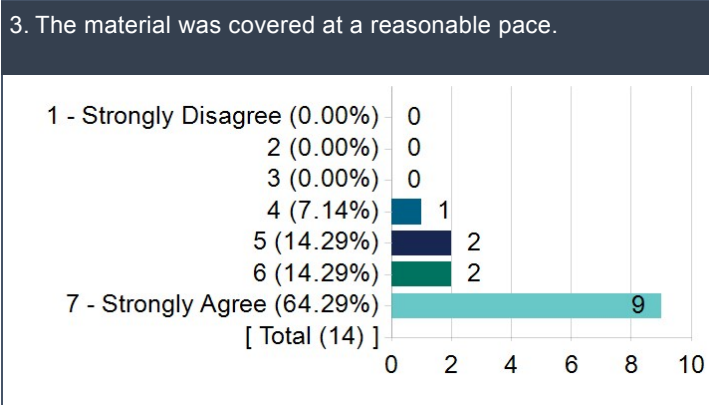
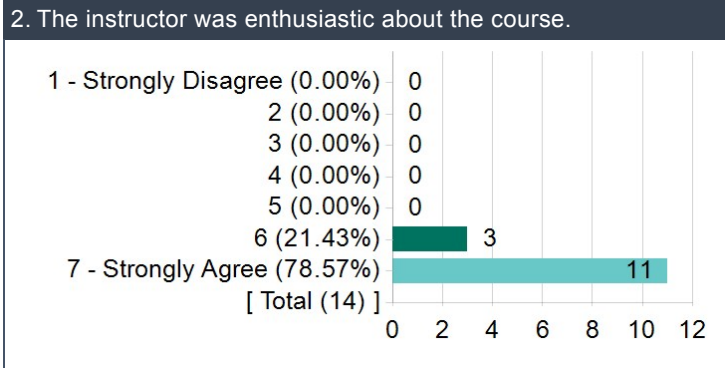
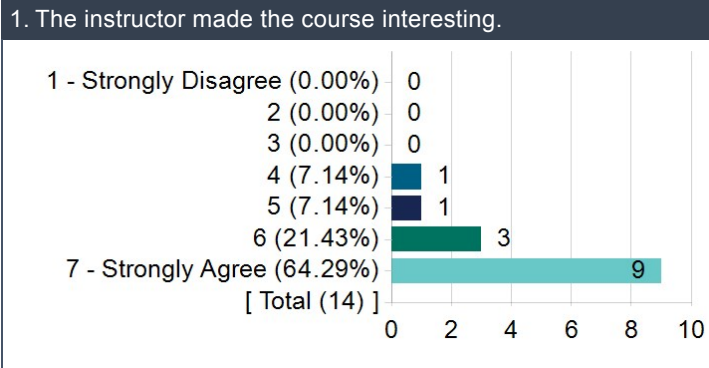
## Instructor Evaluation

Overall rating for teaching quality of **Michael Wendl**.

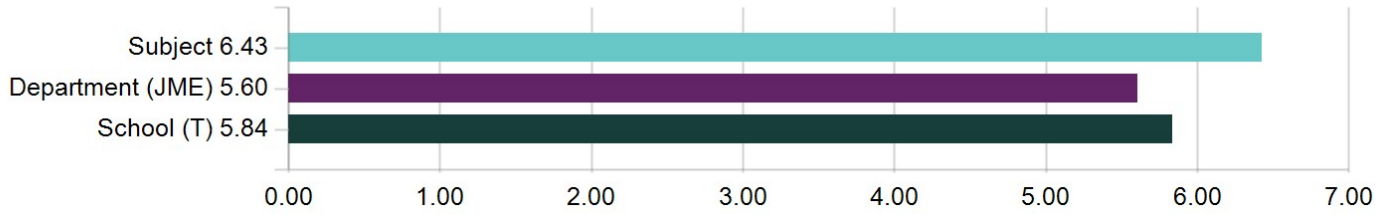


## Rating Scale Responses for **Michael Wendl**

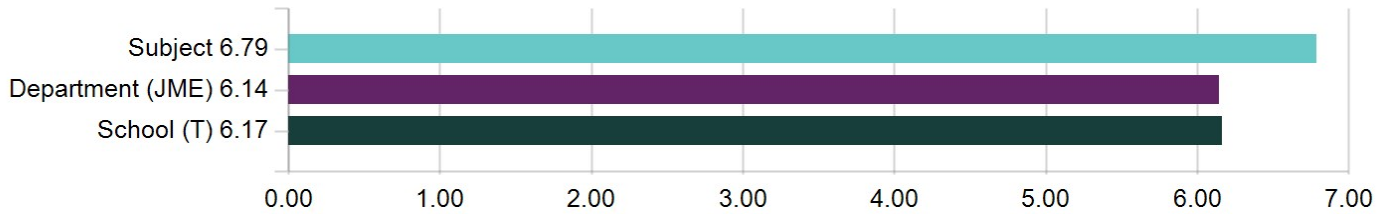
Question	Response Count	Subject		
		Mean	Standard Deviation	Median
The instructor made the course interesting.	14	6.43	0.94	7.00
The instructor was enthusiastic about the course.	14	6.79	0.43	7.00
The material was covered at a reasonable pace.	14	6.36	1.01	7.00
The instructor was available to answer questions (through office hours, email, etc.).	14	6.71	0.47	7.00
The instructor was well-organized and prepared for class.	14	6.71	0.47	7.00
The instructor explained the course material so that you could understand it.	14	6.36	0.93	7.00



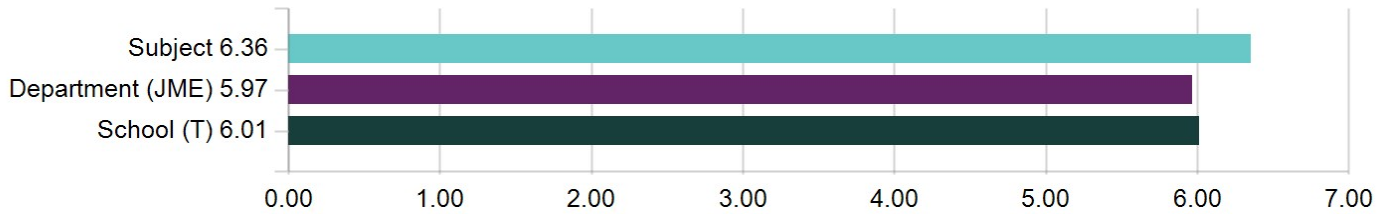
1. The instructor made the course interesting.



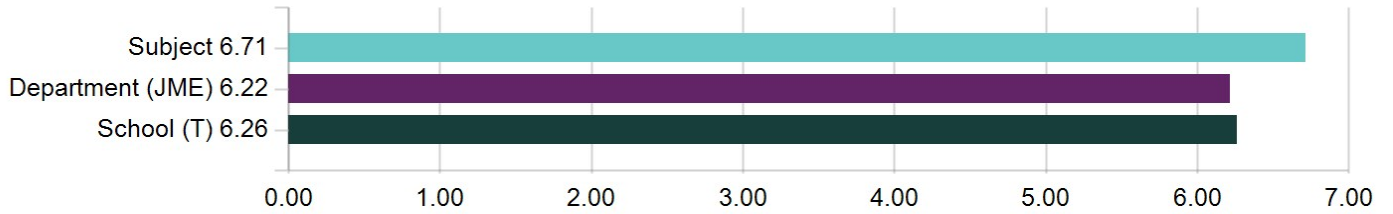
2. The instructor was enthusiastic about the course.



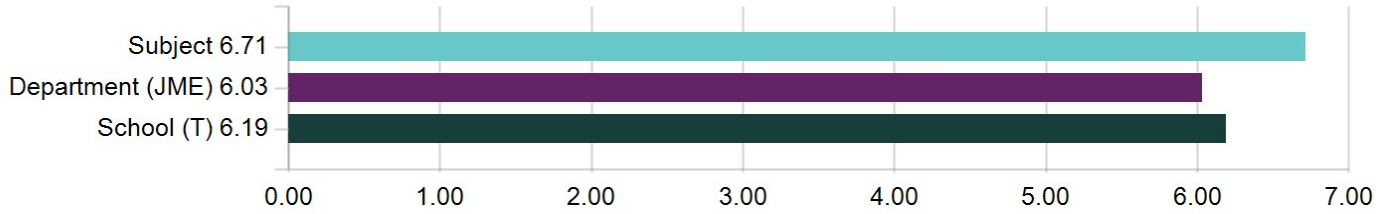
3. The material was covered at a reasonable pace.



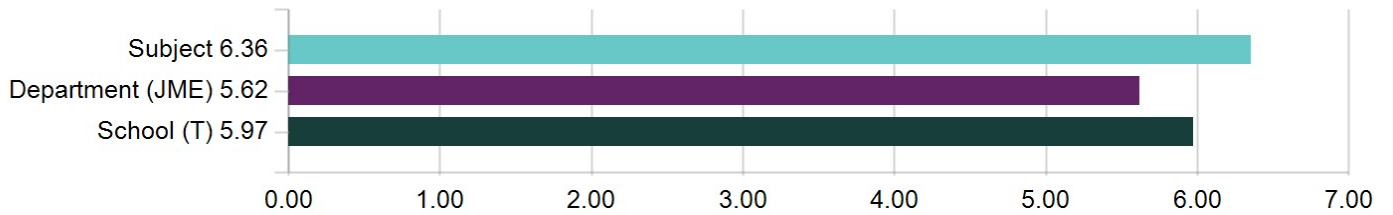
4. The instructor was available to answer questions (through office hours, email, etc.).



5. The instructor was well-organized and prepared for class.



6. The instructor explained the course material so that you could understand it.

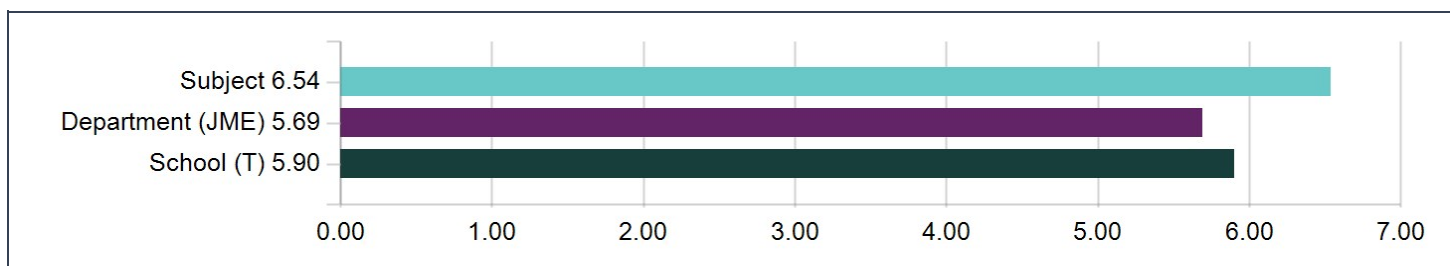
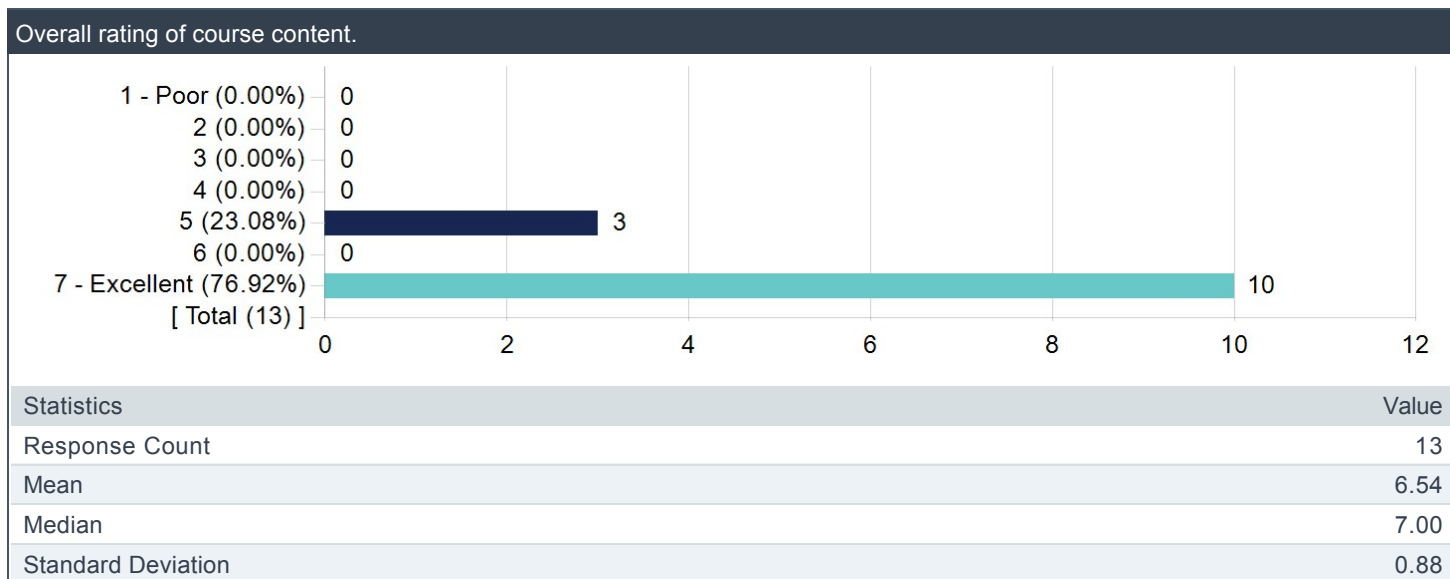


Please elaborate if you felt the material was not covered at a reasonable pace.

Comments
none

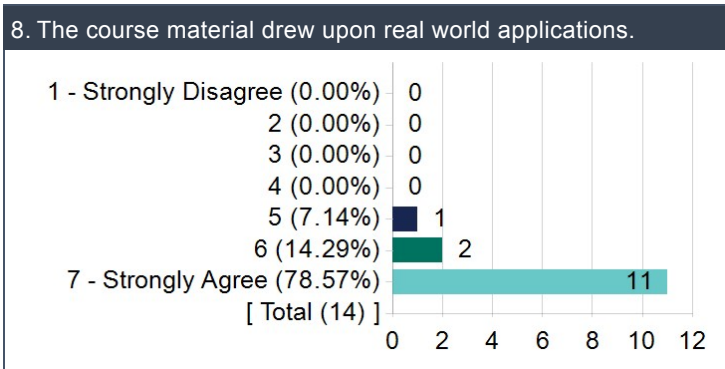
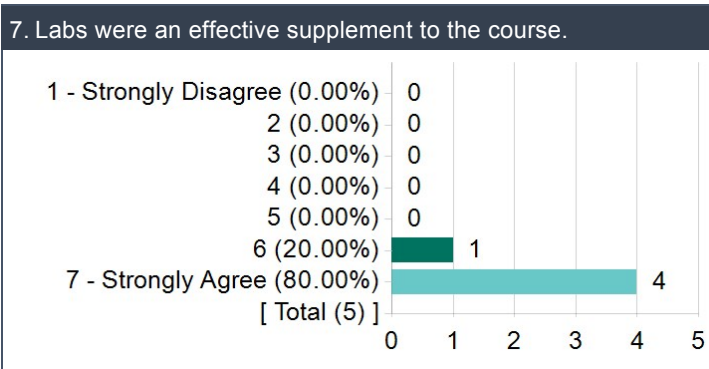
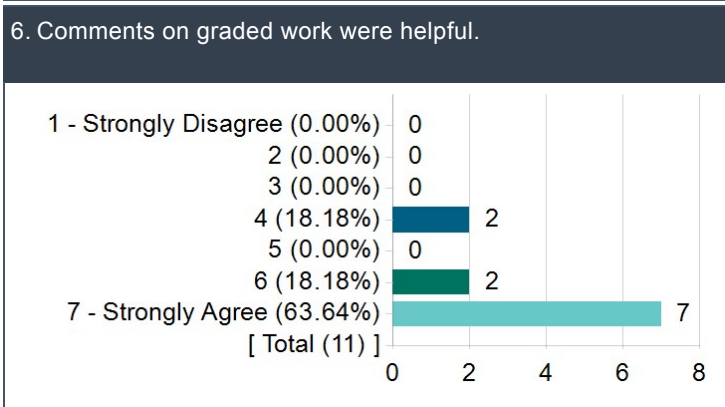
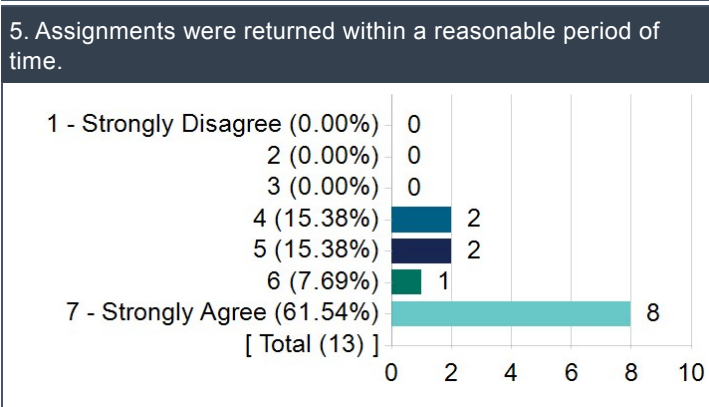
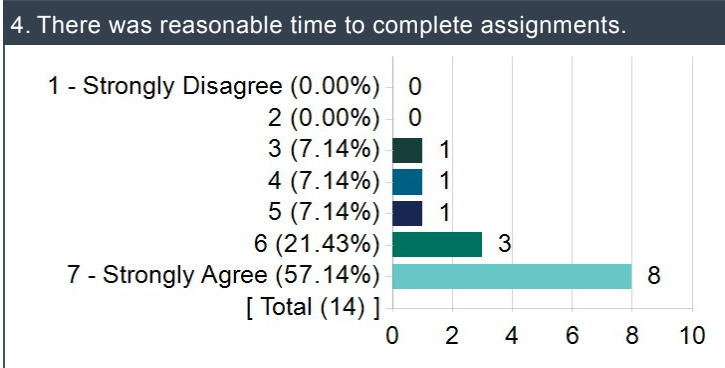
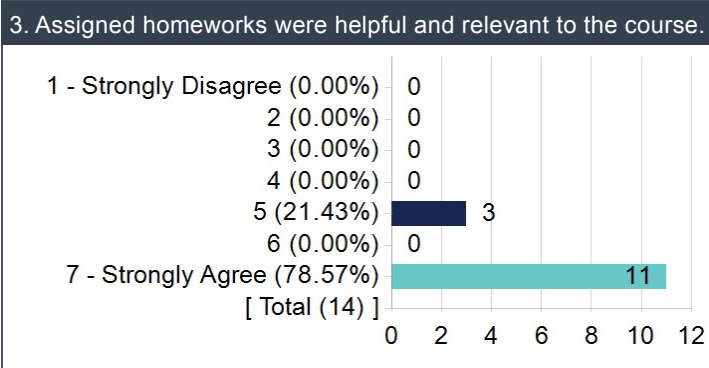
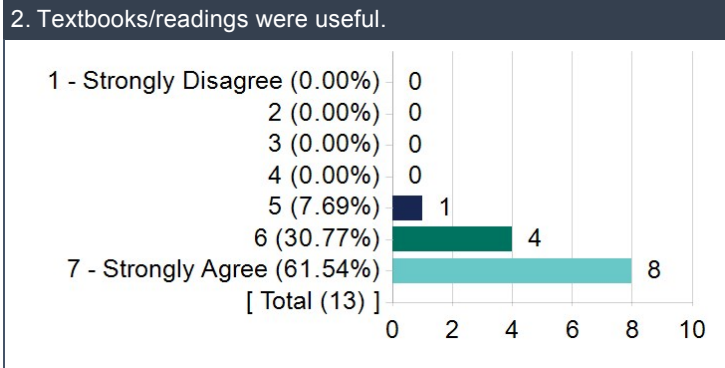
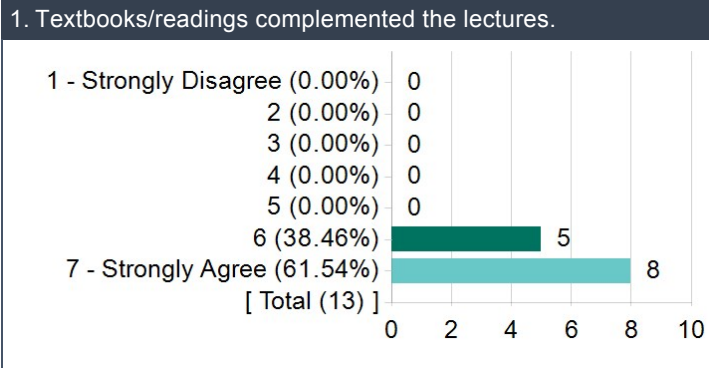
## Course Materials and Assignments

Overall rating of course content.



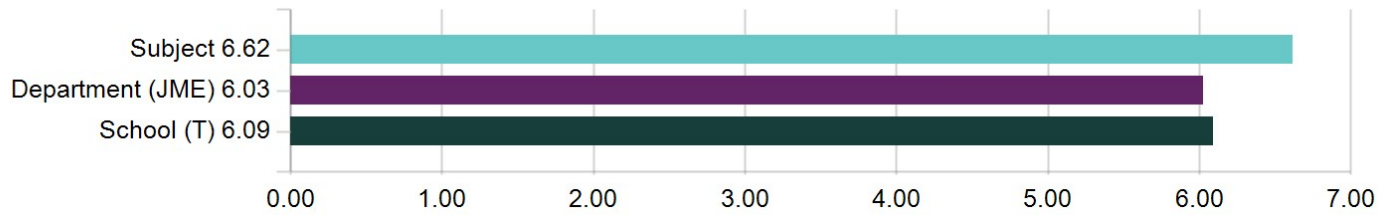
## Rating Scale Responses

Question	Response Count	Subject		
		Mean	Standard Deviation	Median
Textbooks/readings complemented the lectures.	13	6.62	0.51	7.00
Textbooks/readings were useful.	13	6.54	0.66	7.00
Assigned homeworks were helpful and relevant to the course.	14	6.57	0.85	7.00
There was reasonable time to complete assignments.	14	6.14	1.29	7.00
Assignments were returned within a reasonable period of time.	13	6.15	1.21	7.00
Comments on graded work were helpful.	11	6.27	1.19	7.00
Labs were an effective supplement to the course.	5	6.80	0.45	7.00
The course material drew upon real world applications.	14	6.71	0.61	7.00

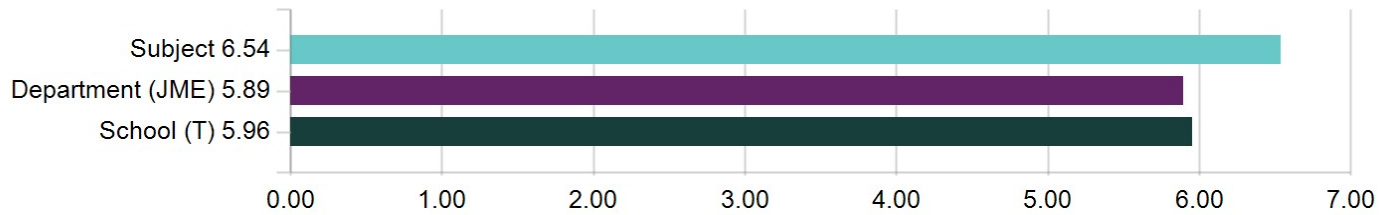




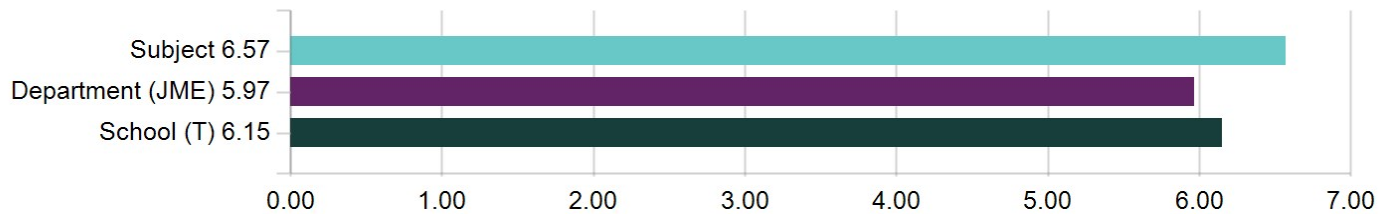
1. Textbooks/readings complemented the lectures.



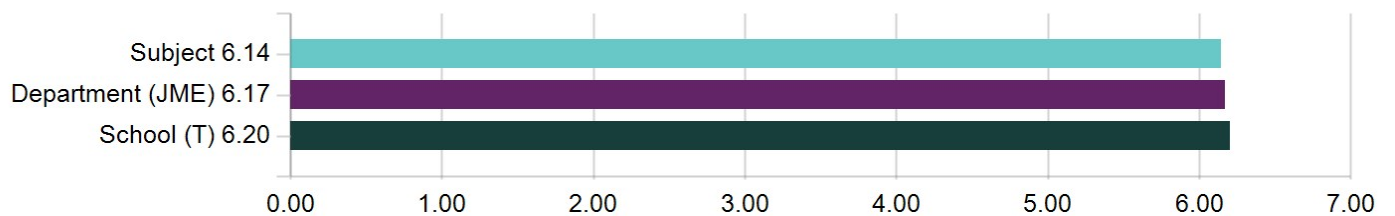
2. Textbooks/readings were useful.



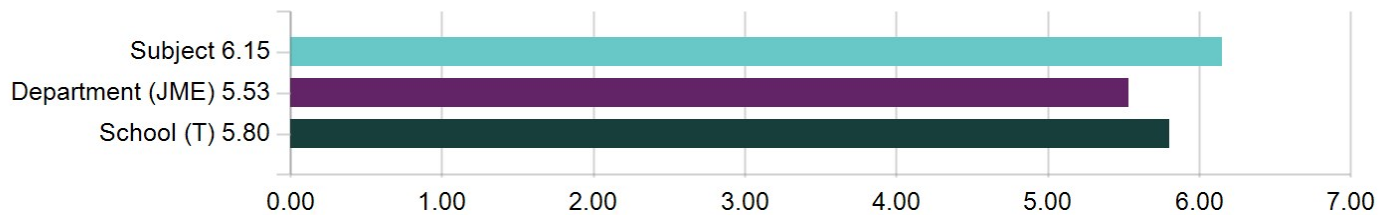
3. Assigned homeworks were helpful and relevant to the course.



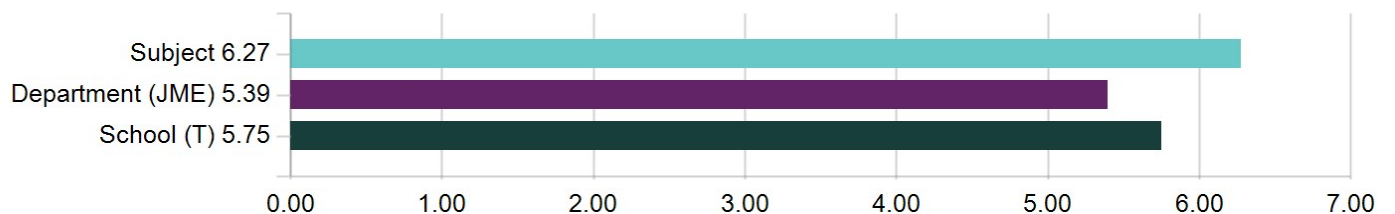
4. There was reasonable time to complete assignments.



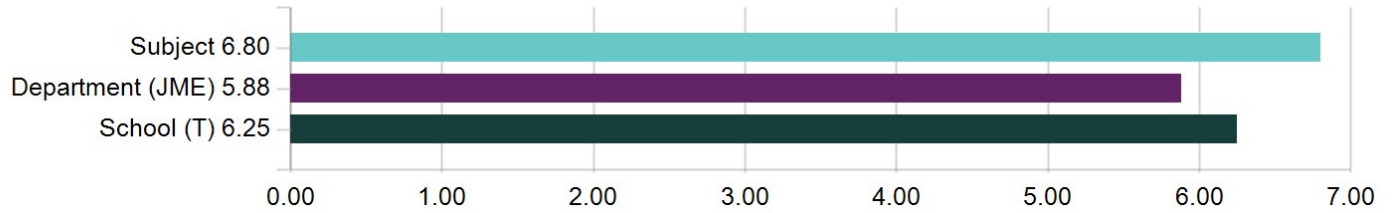
5. Assignments were returned within a reasonable period of time.



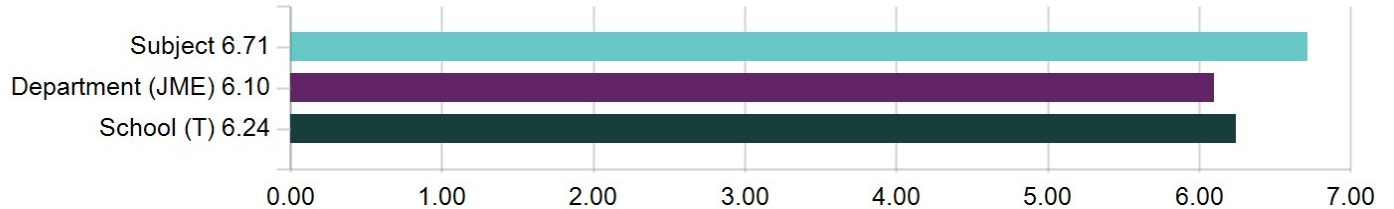
6. Comments on graded work were helpful.



7. Labs were an effective supplement to the course.



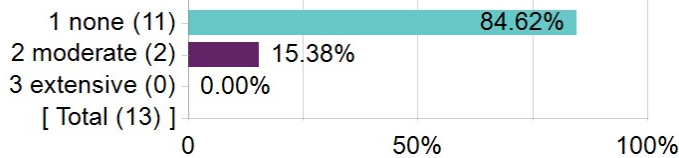
8. The course material drew upon real world applications.



### Assistant to the Instructor (AI) and Recitation

My level of interaction with Assistants to the Instructor (AIs) in this course.

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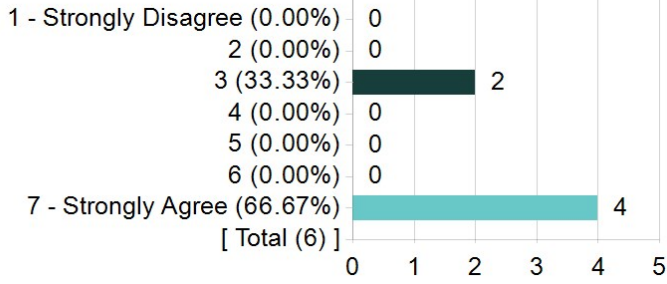


Statistics	Value
Response Count	13
Mean	1.15
Median	1.00
Mode	1
Standard Deviation	0.38
Population Standard Deviation	0.36
Standard Error (base on SD)	0.10
Standard Error (base on PSD)	0.10

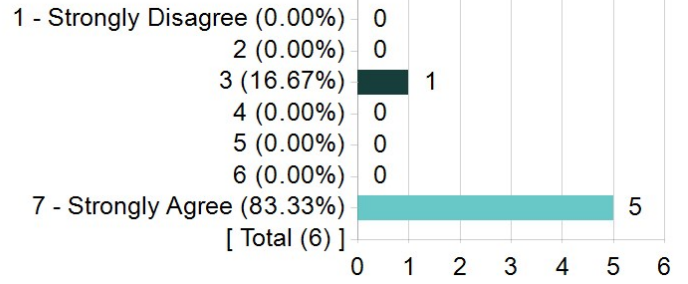
### Rating Scale Responses

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
The assistant to the instructor was effective.	6	5.67	2.07	7.00
The assistant to the instructor was available and responsive to questions.	6	6.33	1.63	7.00
Recitation section served to enhance your understanding of the course material.	4	6.00	2.00	7.00

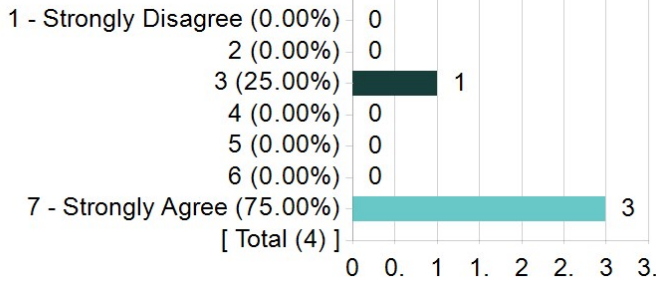
1. The assistant to the instructor was effective.



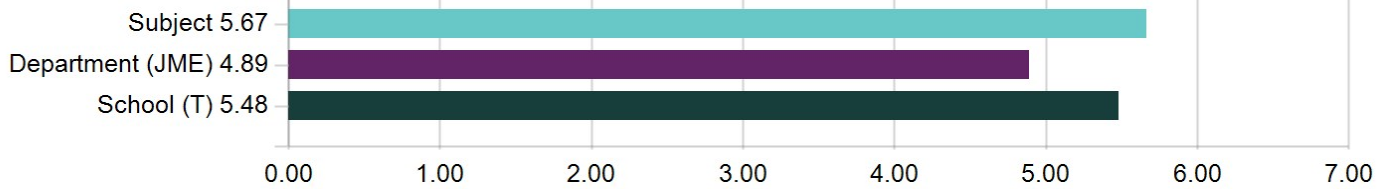
2. The assistant to the instructor was available and responsive to questions.



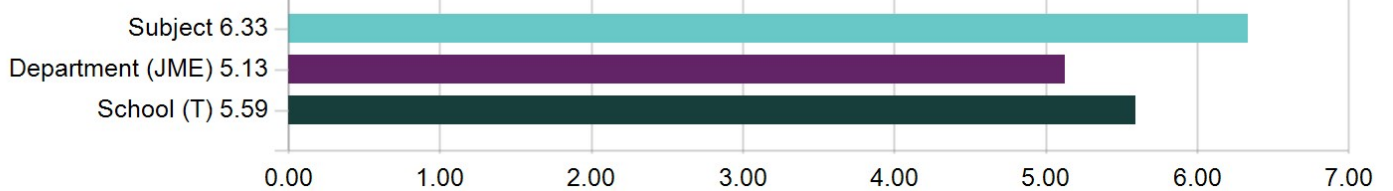
3. Recitation section served to enhance your understanding of the course material.



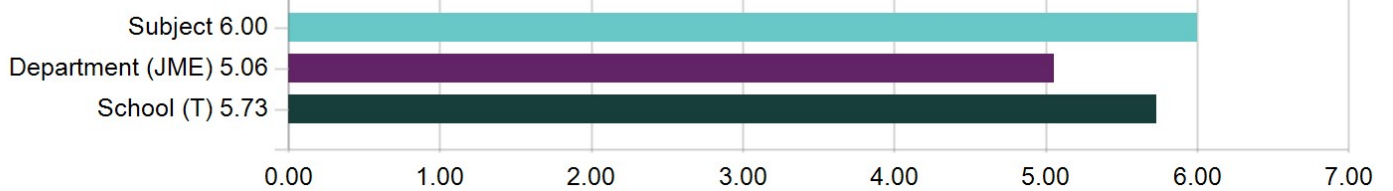
1. The assistant to the instructor was effective.



2. The assistant to the instructor was available and responsive to questions.



3. Recitation section served to enhance your understanding of the course material.



**Please comment on the effectiveness of the assistant to the instructor (AI).**

Comments
The AI was very quick to return email questions and it was clear that the AI was doing what they could to get questions answered by the instructor.
The AI did not comment on any assignments. Instead, the homework solutions were posted separately so we could deduce where we made mistakes
She always graded the homework quickly and I never had any problems with my grade.

**Please comment on the effectiveness of the recitation section.**

Comments
I did not attend any
I never went.

**Exams and Grade**

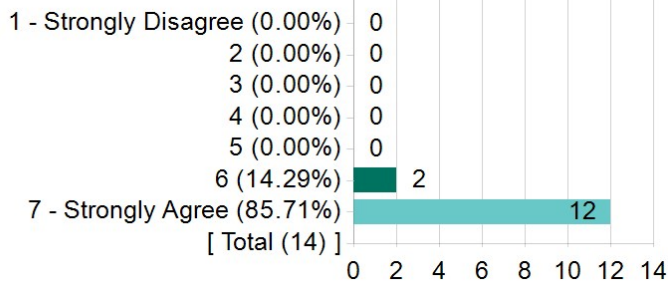
**Expected grade for this course.**

Expected grade for this course.		
Options	Count	Percentage
A	8	61.54%
B	5	38.46%
C	0	0.00%
D	0	0.00%
F	0	0.00%
P	0	0.00%

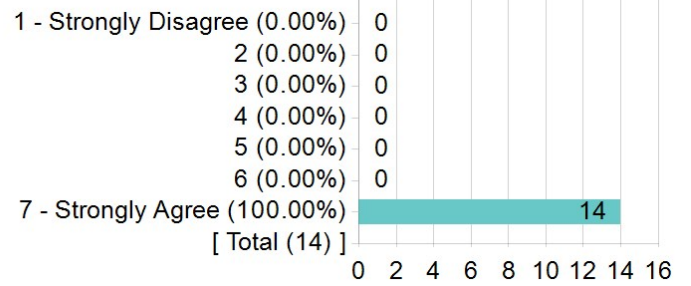
**Rating Scale Responses**

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
Exams reflected material taught.	14	6.86	0.36	7.00
Adequate time was given to complete exams.	14	7.00	0.00	7.00
Your grades to this point accurately reflect your understanding of the material.	14	6.36	0.84	7.00
The grading system was consistent and equitable.	14	6.57	0.65	7.00

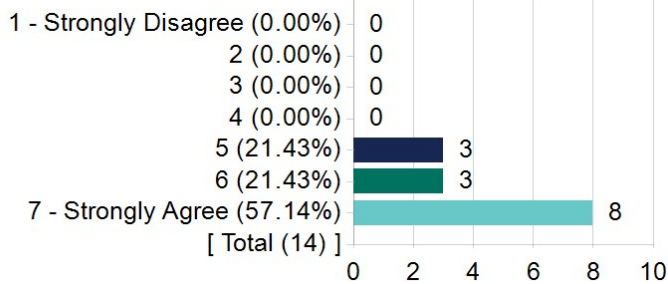
1. Exams reflected material taught.



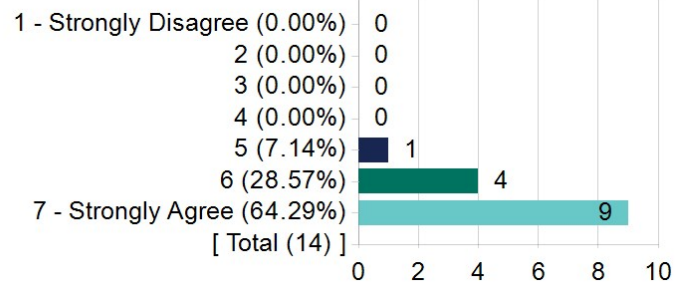
2. Adequate time was given to complete exams.



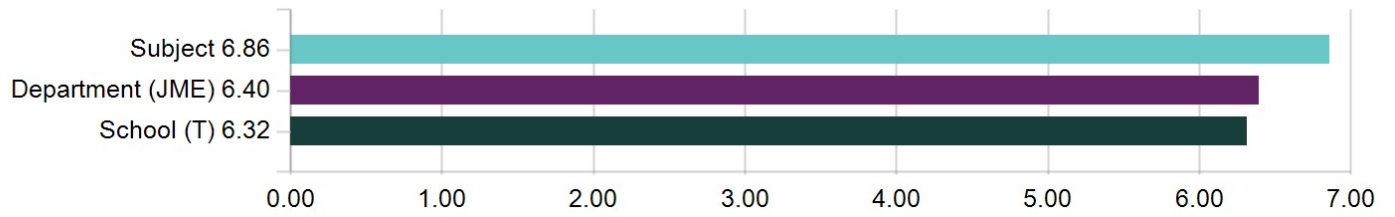
3. Your grades to this point accurately reflect your understanding of the material.



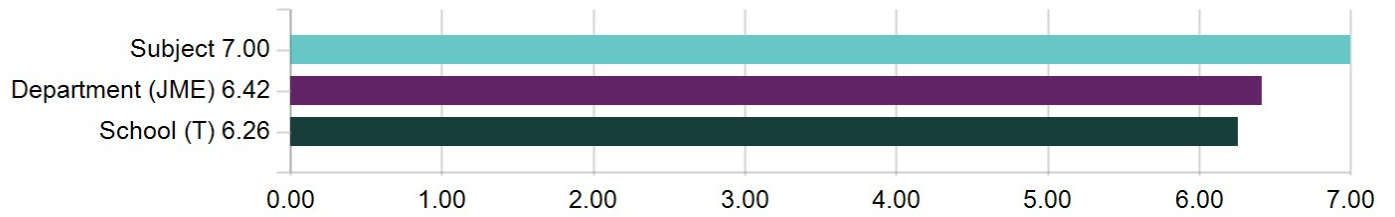
4. The grading system was consistent and equitable.



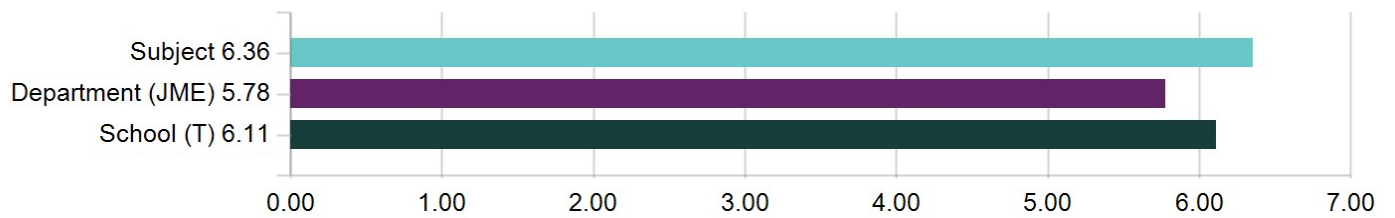
1. Exams reflected material taught.



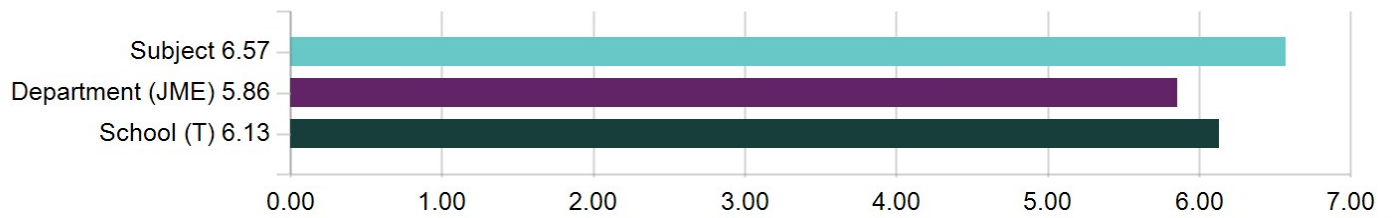
2. Adequate time was given to complete exams.



3. Your grades to this point accurately reflect your understanding of the material.



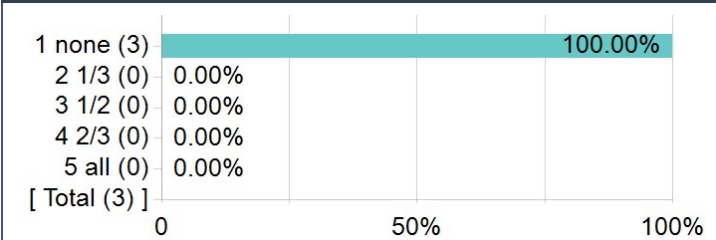
4. The grading system was consistent and equitable.



## Participation

If a hybrid course, what percentage of lectures that you had the opportunity to attend in person did you indeed attend in person?

If a hybrid course, what percentage of lectures that you had the opportunity to attend in person did you indeed attend in person?



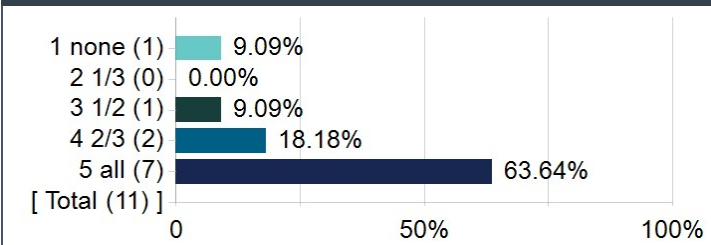
Statistics	Value
Response Count	3
Mean	1.00
Median	1.00
Mode	1
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

If you answered less than “all”, please explain why you chose to not attend in person.

Comments
Online only

**For sessions with the opportunity for you to attend synchronously online (versus later asynchronous viewing), what percentage did you indeed attend synchronously?**

For sessions with the opportunity for you to attend synchronously online (versus later asynchronous viewing), what percentage did you indeed attend synchronously?



Statistics	Value
Response Count	11
Mean	4.27
Median	5.00
Mode	5
Standard Deviation	1.27
Population Standard Deviation	1.21
Standard Error (base on SD)	0.38
Standard Error (base on PSD)	0.37

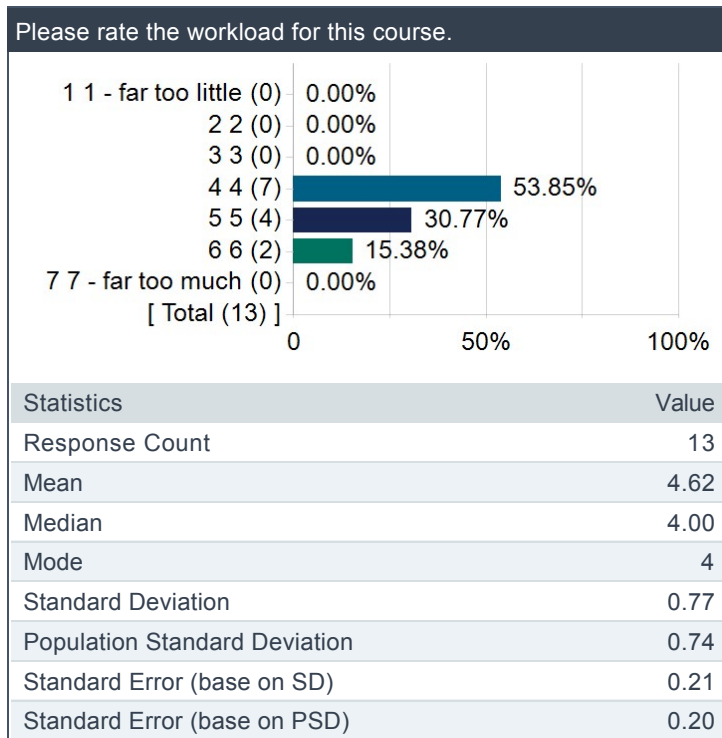
**If you answered less than “all’, please explain why you chose to view the sessions asynchronously instead of attend synchronously.**

**Comments**  
Had another classes assignment to complete

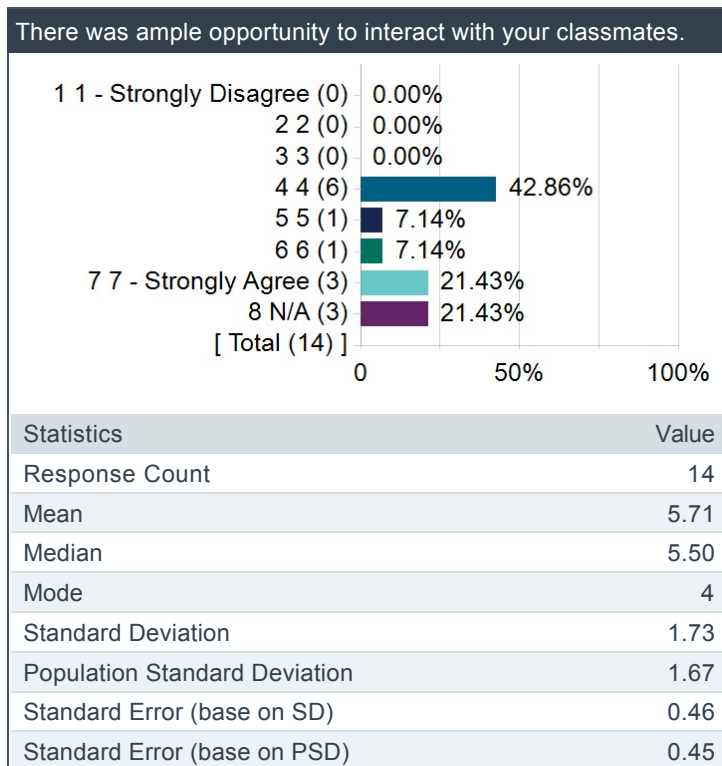


## Overall

Please rate the workload for this course.



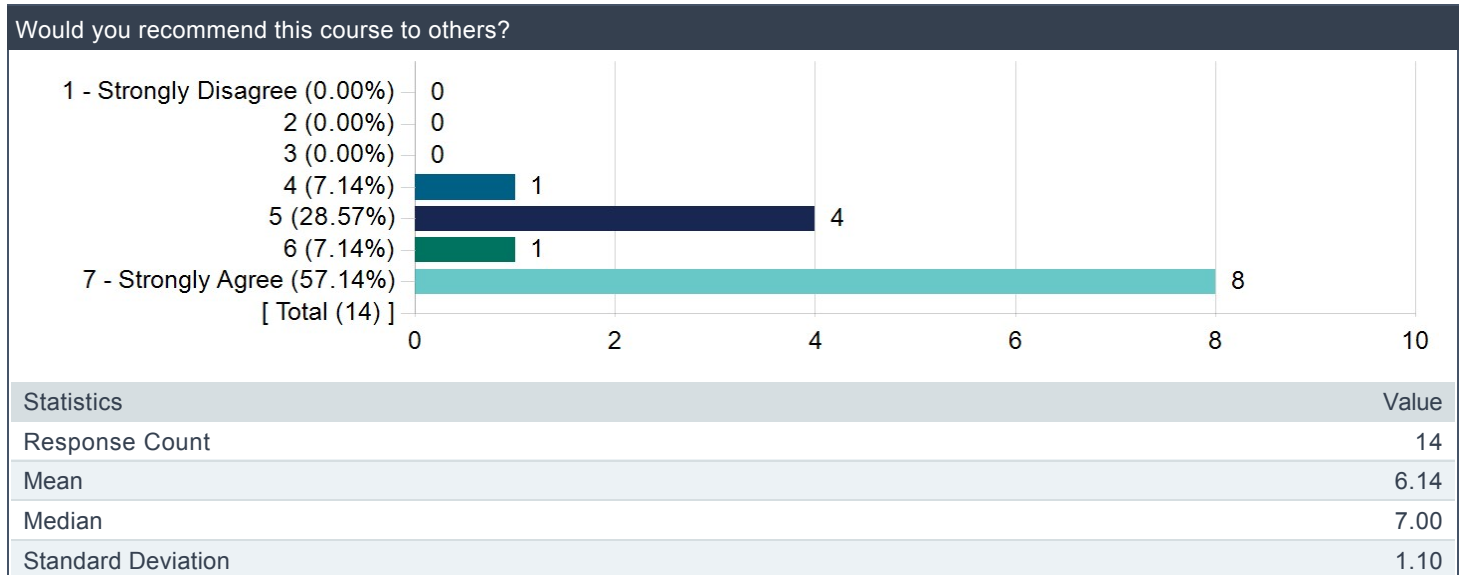
There was ample opportunity to interact with your classmates.



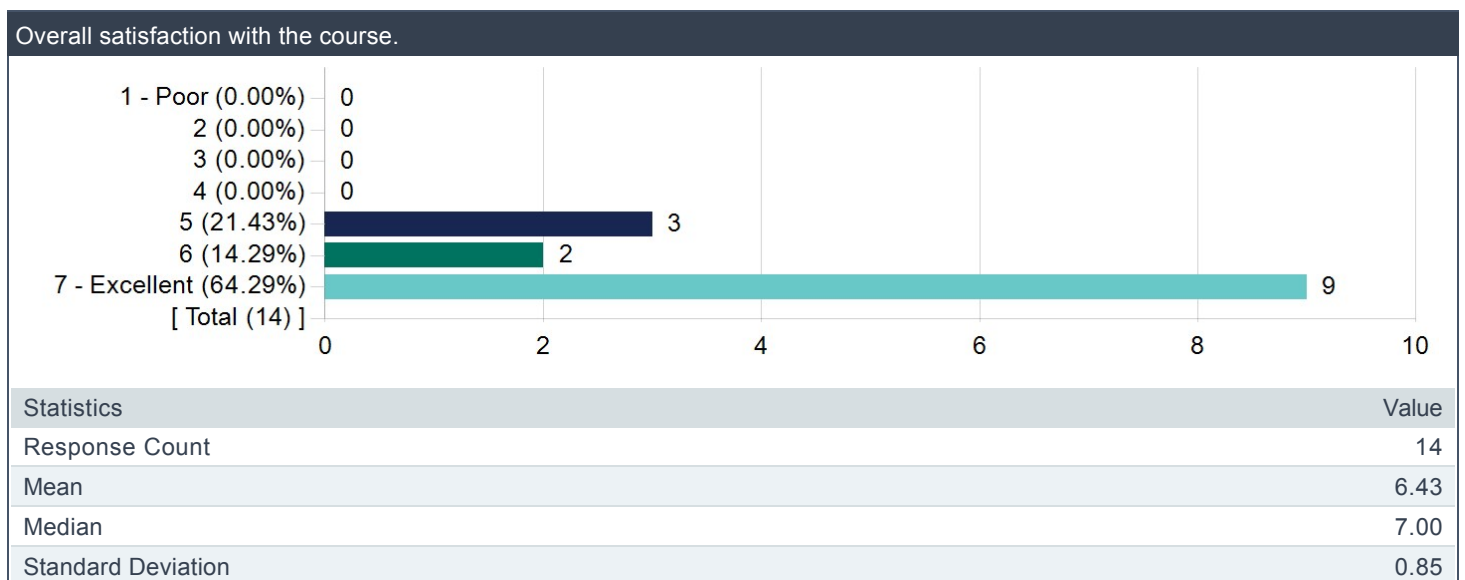
## About how many hours per week did you spend on this course outside of class?

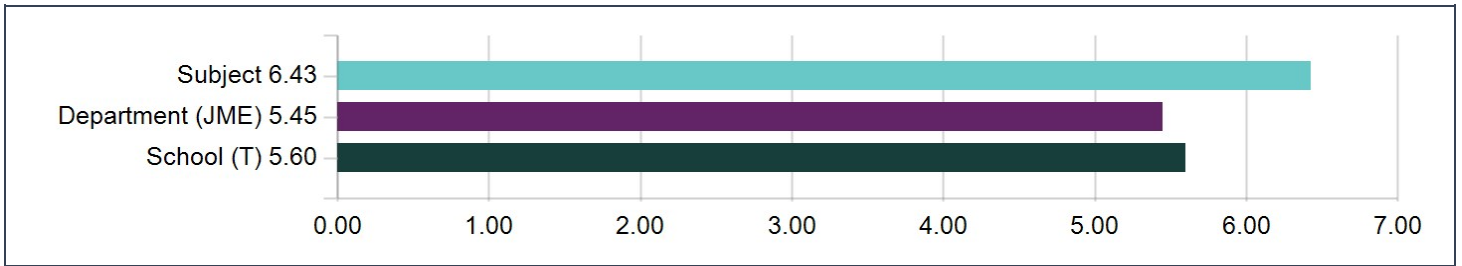
About how many hours per week did you spend on this course outside of class?		
Options	Count	Percentage
0	0	0.00%
1-3	1	7.69%
4-6	10	76.92%
7-9	2	15.38%
10-12	0	0.00%
13-15	0	0.00%
Over 15	0	0.00%

## Would you recommend this course to others?



## Overall satisfaction with the course.





## Comments

### What did you like most about this course?

Comments
Great professor
The professor.
The material is relevant to the work we will do after graduation and you can see the effects of what we study in real time at home and work.
I enjoyed that we covered mainly the simplest cases, but were introduced to more complicated and realistic applications of the material.
It warmed my old creaky house with minimal heating and wattage wasted.
Consistency. We basically did the same thing every week and that helped me stay organized.

### How could this course improve?

Comments
It couldn't
Go back to in class meetings. I do not understand why this covid scare is handicapping the world. Where was the reaction for H1N1, sars, etc? The CDC states that there is <5% chance of death, driving a car is a greater risk. Let's get back to the classroom and quit pretending that we can control a virus that is out in the world. It is impossible.
The notes on radiation absorptivity seem complicated and confusing. They seem to drag around variables with lots of subscripts and arguments but don't seem to offer much help with the homework problems about absorptivity.
The course is challenging and runs close to the wire on covering all the material. I cannot think of a way besides extending the course length to cover it any better.
I like that the professor wrote the notes as we went through the lecture like most do during in person lectures, but having the most important things written in a different color or highlighted would be helpful.
The lecture method is not very organized, it's one continuous document with hand written material. It would be nice if there was a power point or some kind of visual aids used as well.
Screen scrolling is confusing
Maybe reserve off topic questions for after class, so we can get through more material during lecture.

## What did you like the most about Instructor **Michael Wendl**?

Comments
He's a great guy
Dr. Wendl is incredibly knowledgeable on the subject. He does an outstanding job of relating complex concepts to real world situations. Dr. Wendl also is one of the best professors when it comes to fielding student questions and taking the time to answer them. He is genuinely interested in the students learning and success.
He is incredibly knowledgeable and flexible in making sure the pace did not run us into not digesting the material.
He is extremely good at conveying complicated ideas in simplistic terms and phrasing them in several ways so that everyone fully understands the topic.
To put it in a weird way: he just has a superior way of taking concepts in his head and transferring them to the student's head. Michael Wendl is a man you can truly call a teacher.
explains complex material in an easy to understand manner, excellent instructor!
He cares about what he teaches and really wants people to learn the material
Class notes. Organized but flexible.
He's really knowledgeable and teaches everything that is on the homework.

## How could Instructor **Michael Wendl** improve?

Comments
Less derivations and more getting to the point
Encourage the administration to shift learning back to the classroom.
None.
The only area of improvement I can offer is perhaps to verbally ask students to mute themselves when their mics are left on by accident when teaching online. I think that would save a substantial amount of time over the semester.
Make sure the students have a week between when they learn a concept and when its respective homework is due. There were a lot of times where we covered topics the night before or 3 nights before a homework was due (a homework that required those concepts).
A lot of the time teaching is spent running through complex derivatives and proofs, to arrive at the equation that we actually use. Some of those derivations can be skipped and instead the time should be used to show how simplified models work vs. how triple integrals are solved.
Maybe the school can look into making a standard (online chalkboard app) for computer borne classes that the world can formalize into best ways to intake knowledge
He could prevent students from asking questions that aren't really related to what the lecture is currently about.

## What would you tell another student who asked you to describe this course?

Comments
Great professor and you'll learn something
If this class is required for your degree, Dr. Wendl is the best professor you could find for this course.
It's a little bit hard to follow all the details in the notes.
The movement of Heat energy between objects and their surroundings.
It's not easy per se, but if you pay attention, take notes, and do the homework, it's definitely not hard. Also, ask questions if you're confused. The professor will definitely help you understand.
It's an interesting class, the material that is taught is really applicable and important
He's called Dr. Wendl.
Great course with a great instructor. You'll really acquire a knowledge of heat transfer.

**Have you observed any violations of academic integrity (e.g., cheating) in this course?**

Comments
Nope
No.
No
No
No

**Any additional comments?**

Comments
None