



# Fall 2021 Engineering Instructor Report for FL2021.T17.JME.3710.01 - Principles of Heat Transfer (Michael Wendl)

Project Title: **Fall 2021 Course Evaluations - Danforth Campus**

Courses Audience: **25**  
Responses Received: **10**  
Response Ratio: **40.0%**

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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: **Wednesday, December 29, 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	10	100.00%
No	0	0.00%

Did the syllabus explain the content and administration of the course (e.g., office hours, grading)?

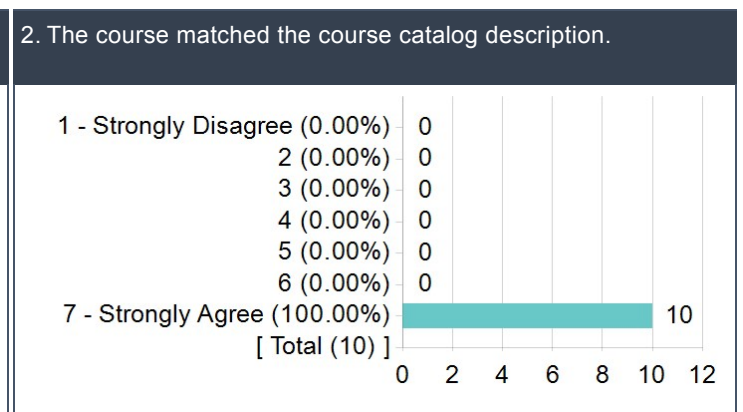
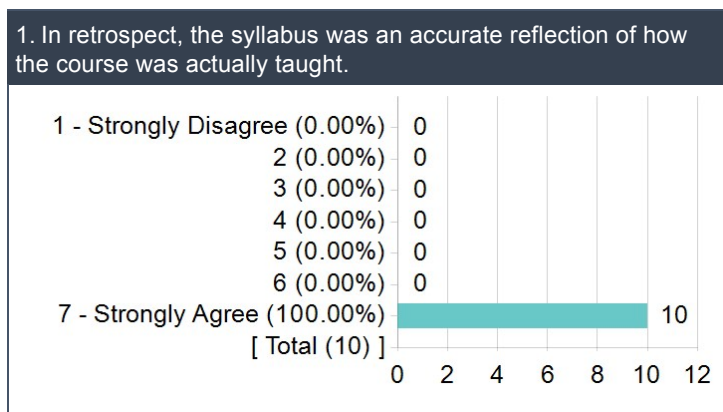
Did the syllabus explain the content and administration of the course (e.g., office hours, grading)?		
Options	Count	Percentage
Yes	10	100.00%
No	0	0.00%

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	10	100.00%
No	0	0.00%

## Rating Scale Responses

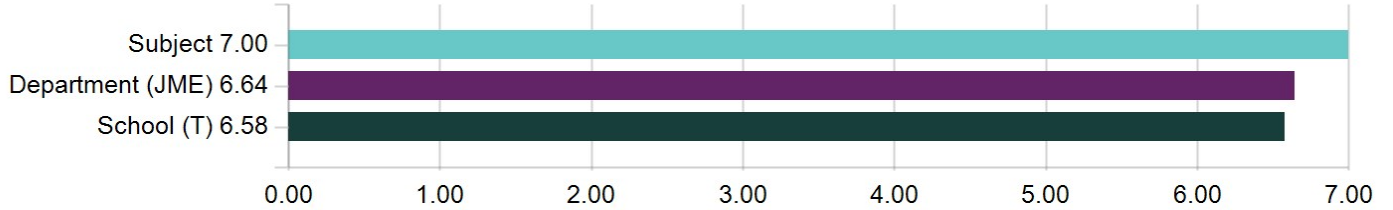
Question	Response Count	Subject		
		Mean	Standard Deviation	Median
In retrospect, the syllabus was an accurate reflection of how the course was actually taught.	10	7.00	0.00	7.00
The course matched the course catalog description.	10	7.00	0.00	7.00



1. In retrospect, the syllabus was an accurate reflection of how the course was actually taught.

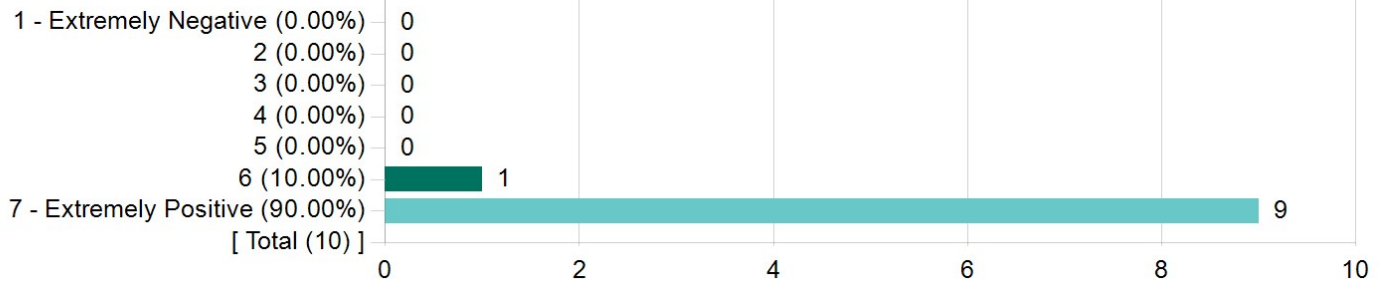


2. The course matched the course catalog description.

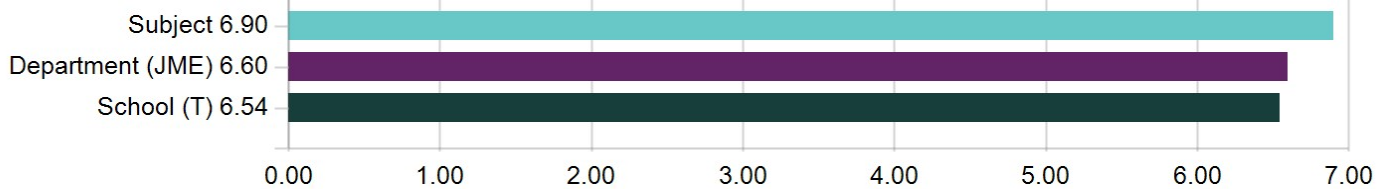


Please rate how well **Michael Wendl** promoted an inclusive learning environment with regard to the diversity of student personal backgrounds and identities.

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Statistics	Value
Response Count	10
Mean	6.90
Median	7.00
Standard Deviation	0.32

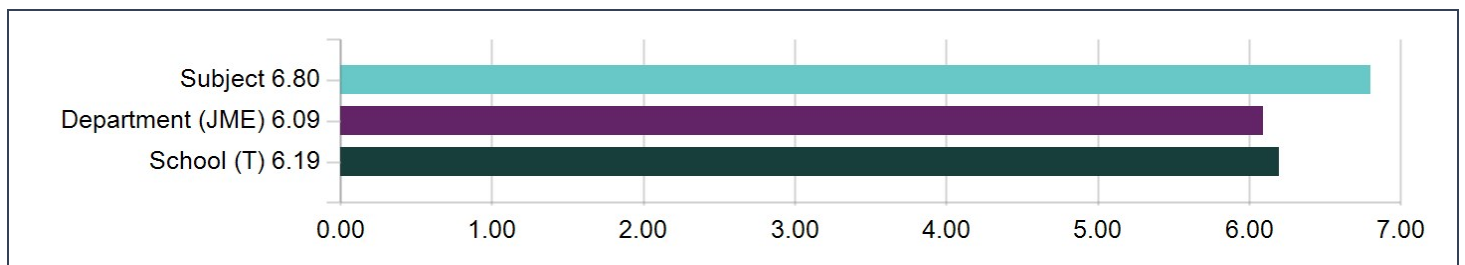
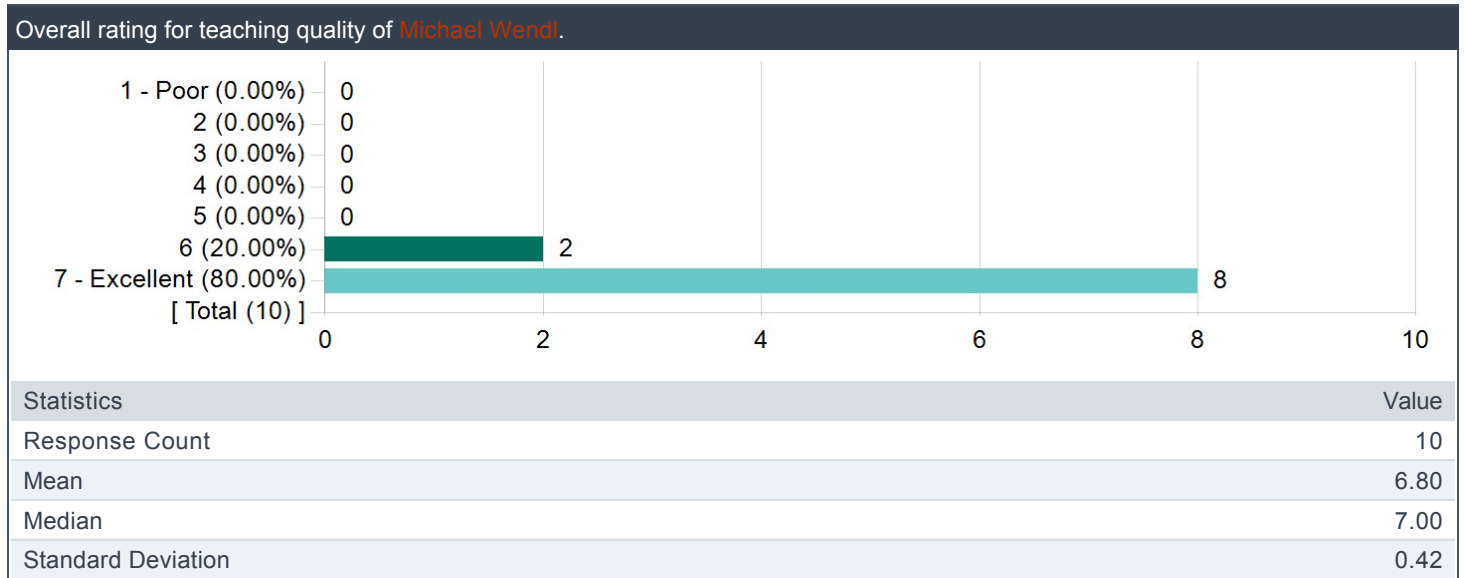


Where relevant, please give specific examples to explain your answer above.

Comments  
Always open to questions and helping people

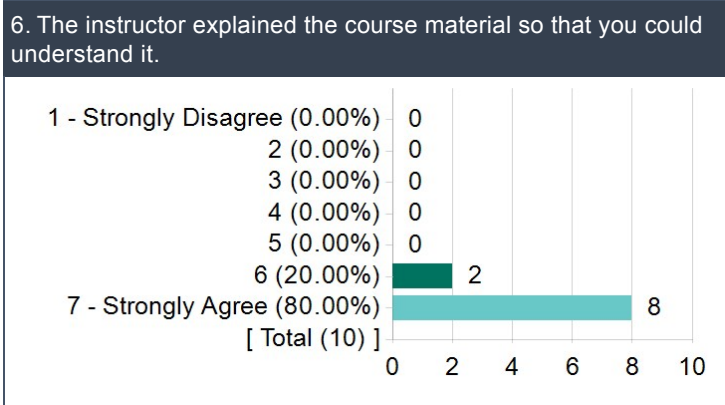
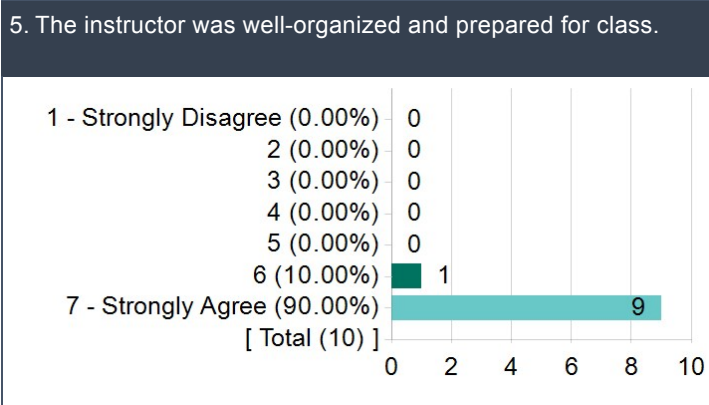
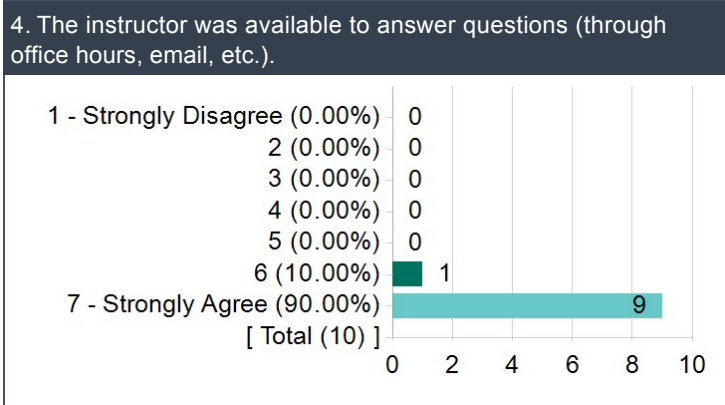
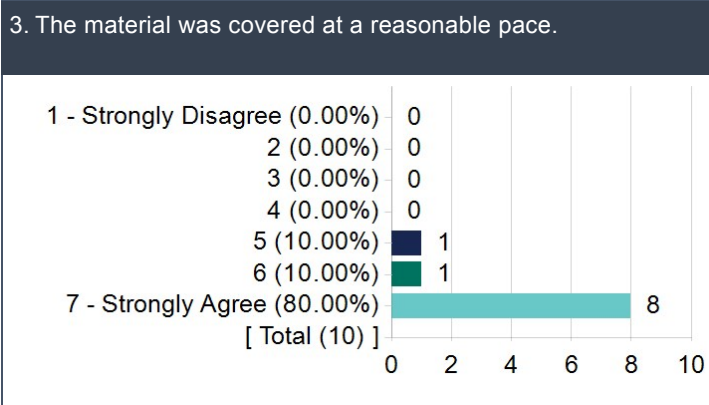
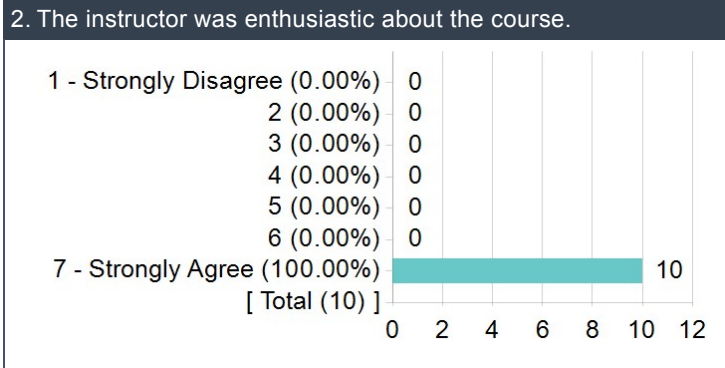
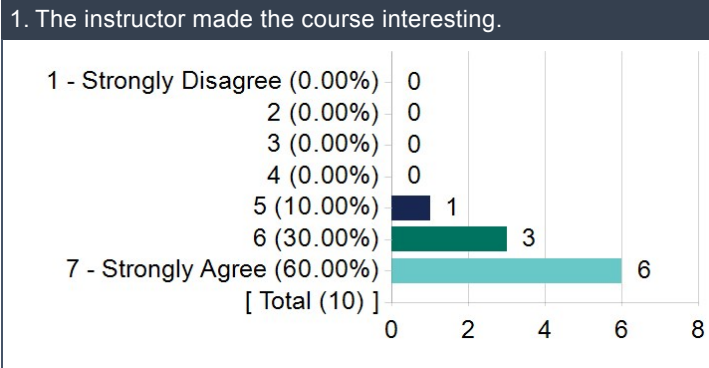
## Instructor Evaluation

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

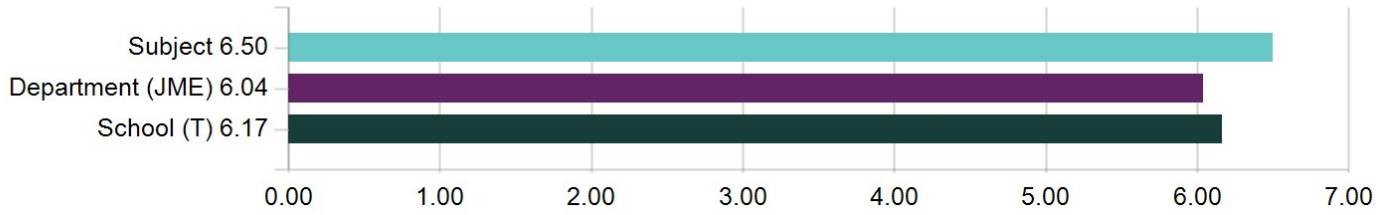


## Rating Scale Responses for **Michael Wendl**

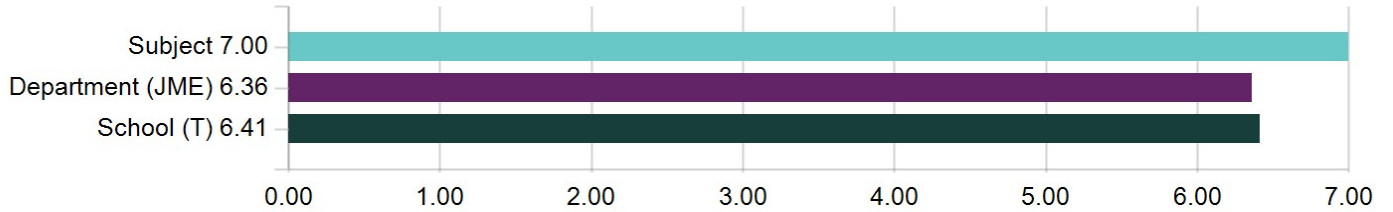
Question	Response Count	Subject		
		Mean	Standard Deviation	Median
The instructor made the course interesting.	10	6.50	0.71	7.00
The instructor was enthusiastic about the course.	10	7.00	0.00	7.00
The material was covered at a reasonable pace.	10	6.70	0.67	7.00
The instructor was available to answer questions (through office hours, email, etc.).	10	6.90	0.32	7.00
The instructor was well-organized and prepared for class.	10	6.90	0.32	7.00
The instructor explained the course material so that you could understand it.	10	6.80	0.42	7.00



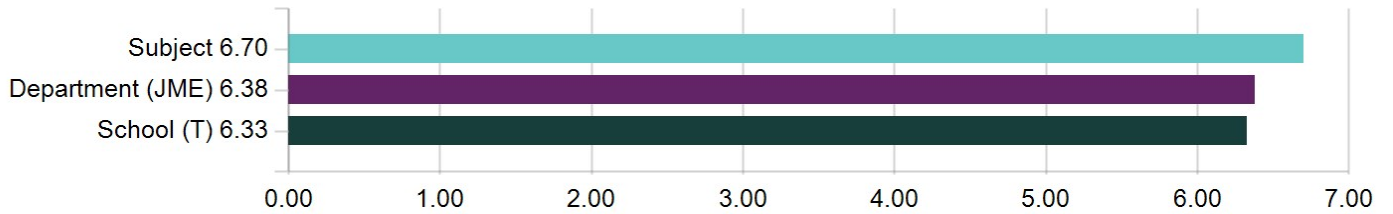
1. The instructor made the course interesting.



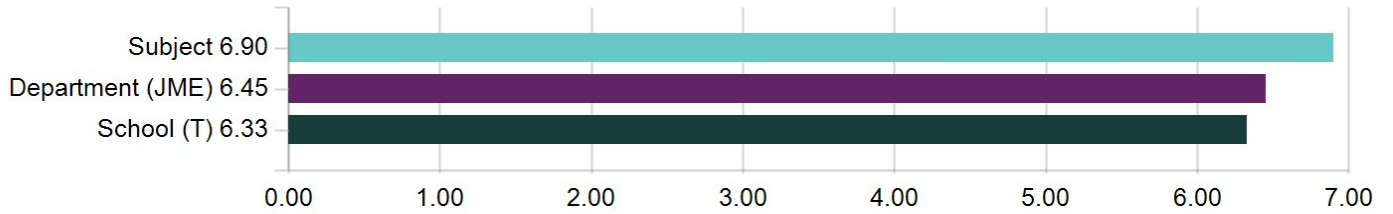
2. The instructor was enthusiastic about the course.



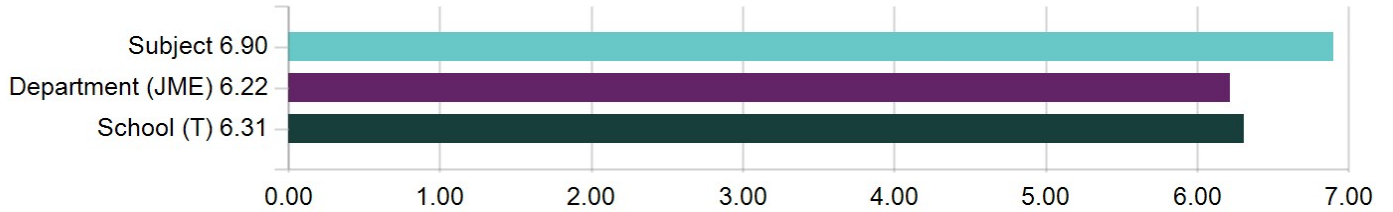
3. The material was covered at a reasonable pace.



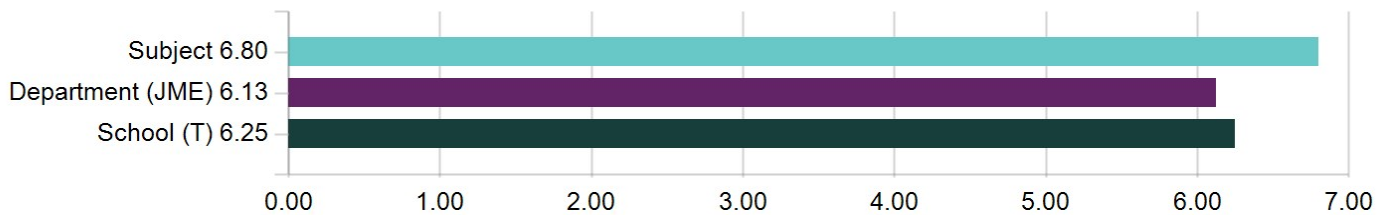
4. The instructor was available to answer questions (through office hours, email, etc.).



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



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

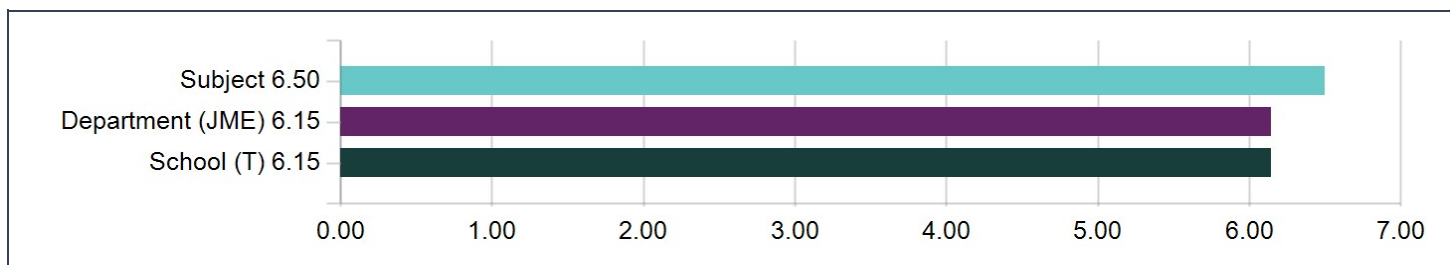
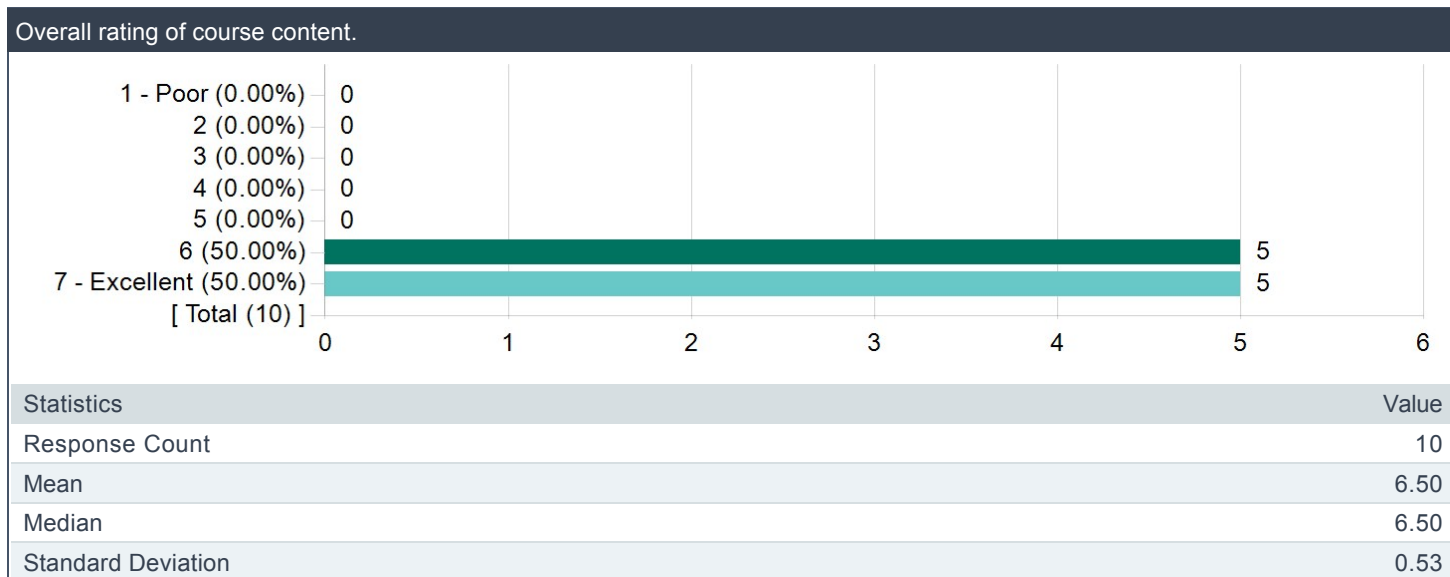


Please elaborate if you felt the material was not covered at a reasonable pace.

Comments
Went into detail on things we didnt need to know
I would like the examples done in class to match homework/exam questions better.
The class material is simply very difficult and dense; I don't know if there is a pace that could be slow enough for everyone to fully understand and grasp the concepts at hand, but Professor Wendl did a great job of making it as accessible as possible with the time allotted to complete all the required material.

## Course Materials and Assignments

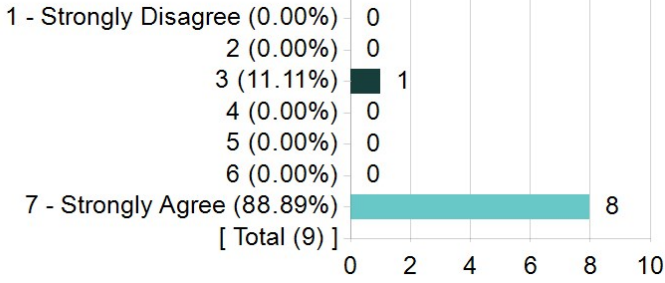
Overall rating of course content.



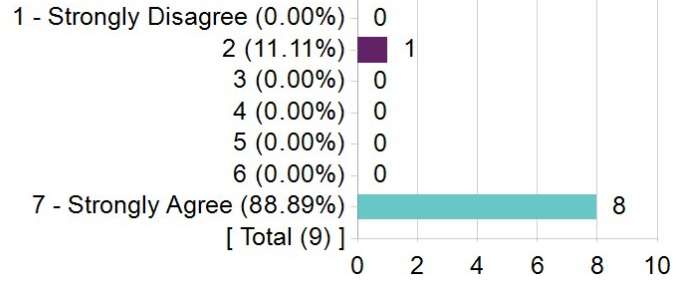
## Rating Scale Responses

Question	Response Count	Subject		
		Mean	Standard Deviation	Median
Textbooks/readings complemented the lectures.	9	6.56	1.33	7.00
Textbooks/readings were useful.	9	6.44	1.67	7.00
Assigned homeworks were helpful and relevant to the course.	10	7.00	0.00	7.00
There was reasonable time to complete assignments.	10	6.50	0.85	7.00
Assignments were returned within a reasonable period of time.	10	6.50	0.85	7.00
Comments on graded work were helpful.	10	6.60	0.97	7.00
Labs were an effective supplement to the course.	2	7.00	0.00	7.00
The course material drew upon real world applications.	10	6.60	0.70	7.00

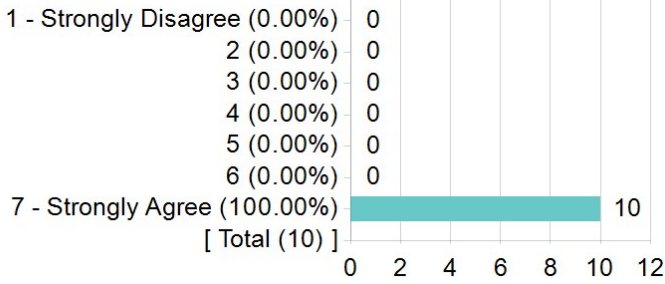
1. Textbooks/readings complemented the lectures.



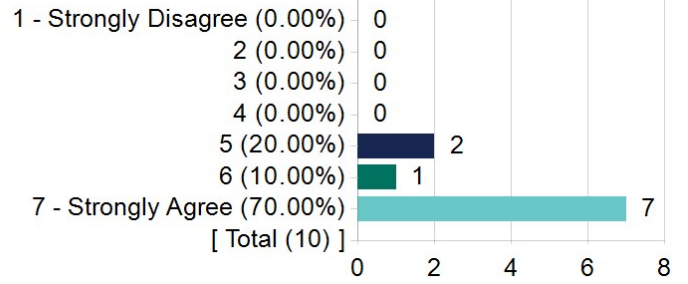
2. Textbooks/readings were useful.



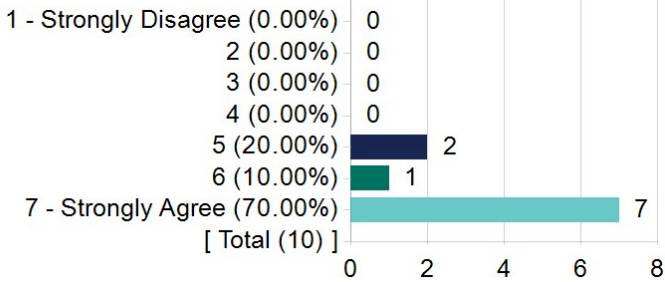
3. Assigned homeworks were helpful and relevant to the course.



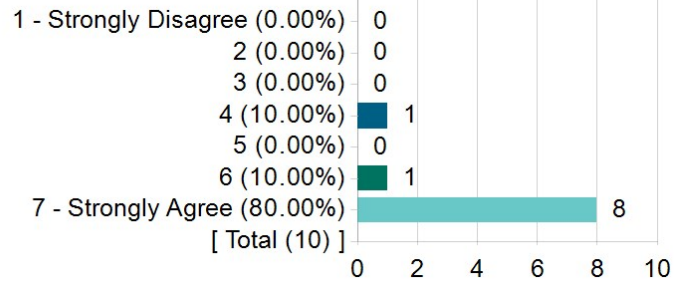
4. There was reasonable time to complete assignments.



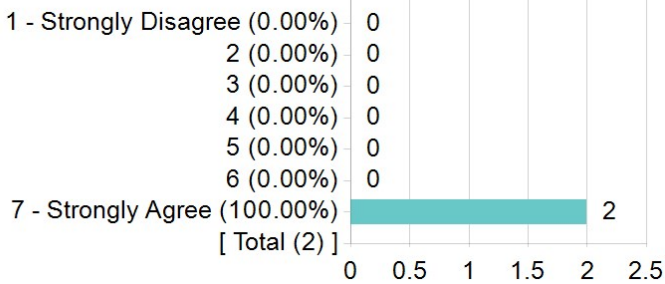
5. Assignments were returned within a reasonable period of time.



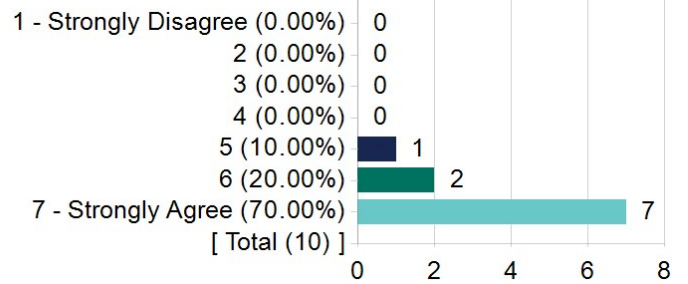
6. Comments on graded work were helpful.



7. Labs were an effective supplement to the course.

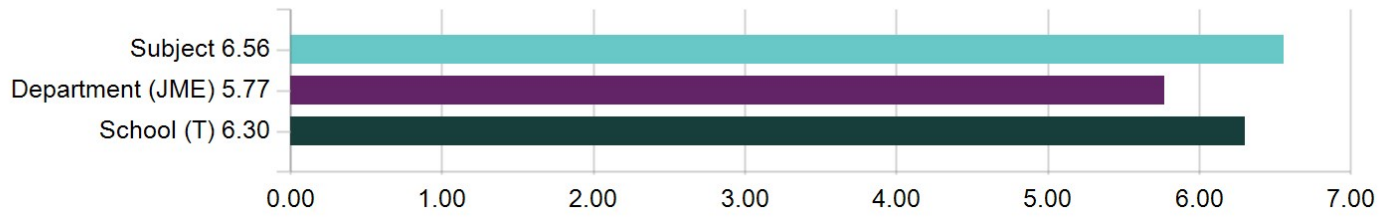


8. The course material drew upon real world applications.

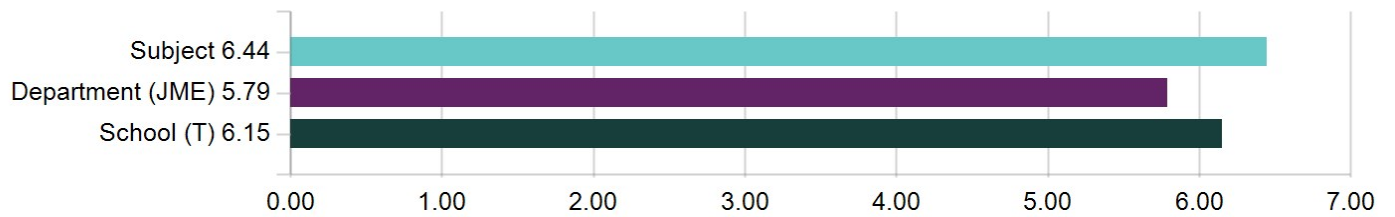




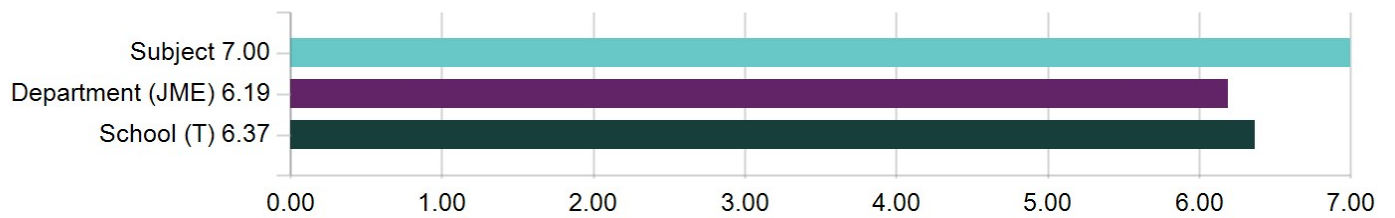
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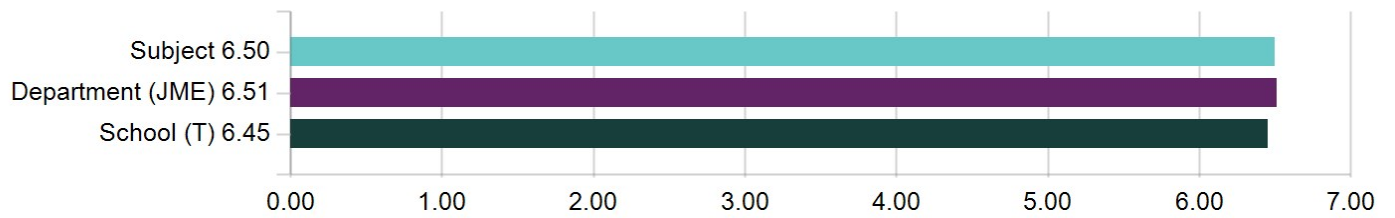
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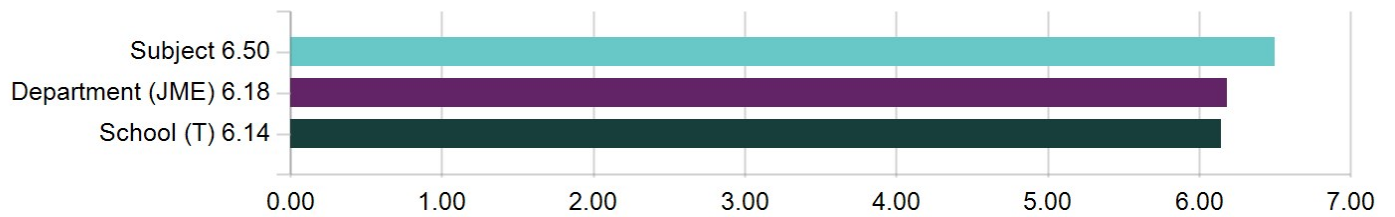
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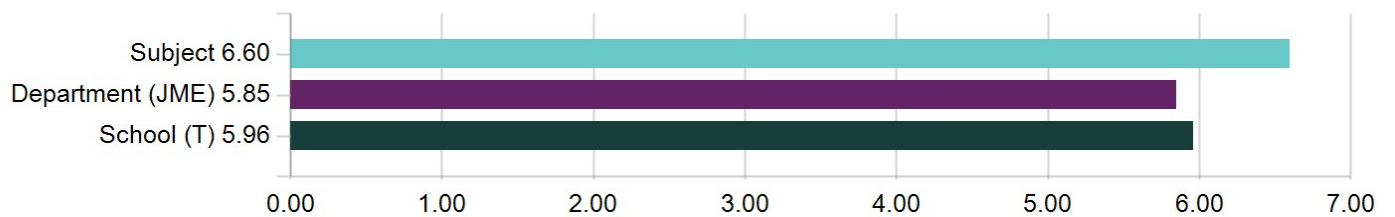
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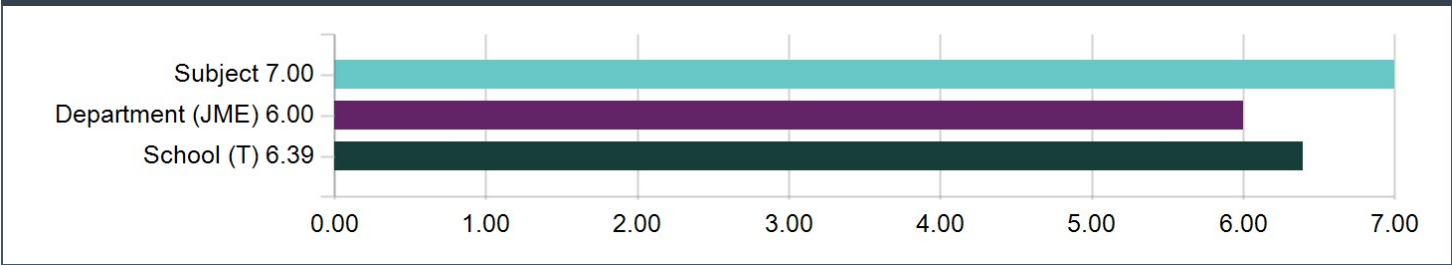
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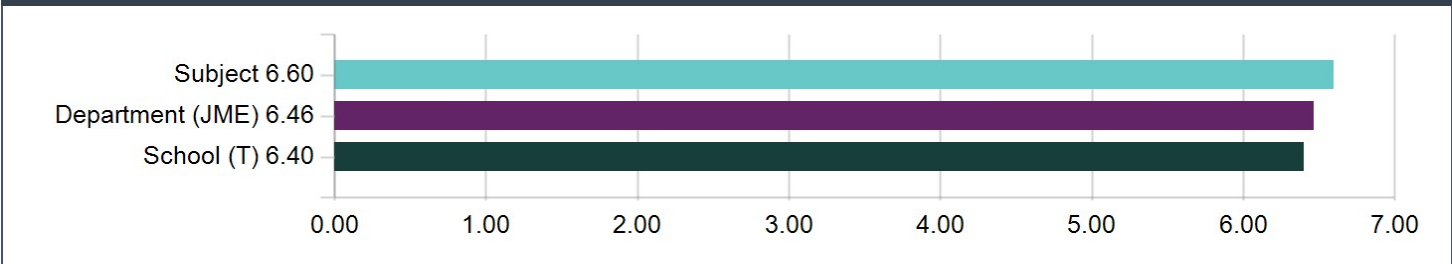
6. Comments on graded work were helpful.



7. Labs were an effective supplement to the course.



8. The course material drew upon real world applications.



Please elaborate if you felt the textbooks/readings were not useful.

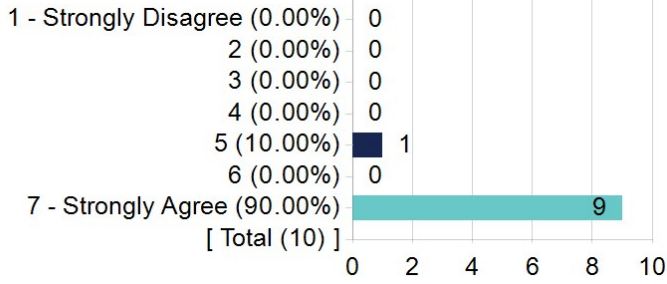
**Comments**  
 The textbook is circular and very high level, with few useful worked examples; the notes book provided by Professor Wendl did a far better job of acting as a supplement to the teachings and was much better at helping on the homeworks than the textbook.

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

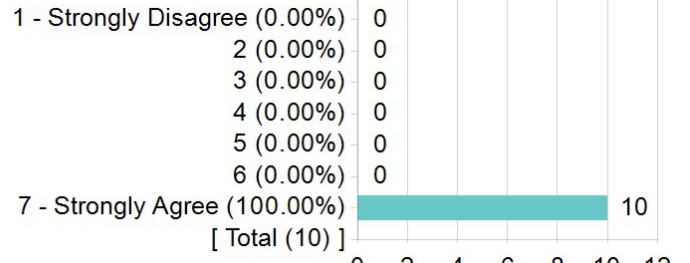
**Rating Scale Responses**

Question	Response Count	Subject		
		Mean	Standard Deviation	Median
The assistant to the instructor was effective.	10	6.80	0.63	7.00
The assistant to the instructor was available and responsive to questions.	10	7.00	0.00	7.00
Recitation section served to enhance your understanding of the course material.	4	7.00	0.00	7.00

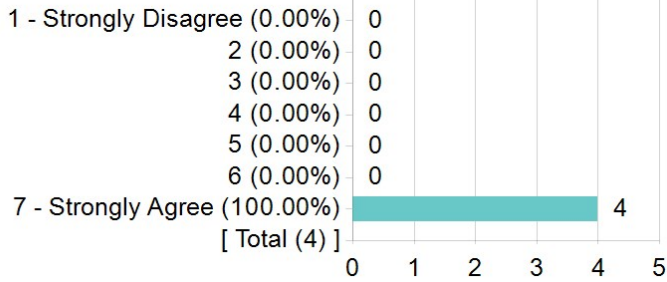
1. The assistant to the instructor was effective.



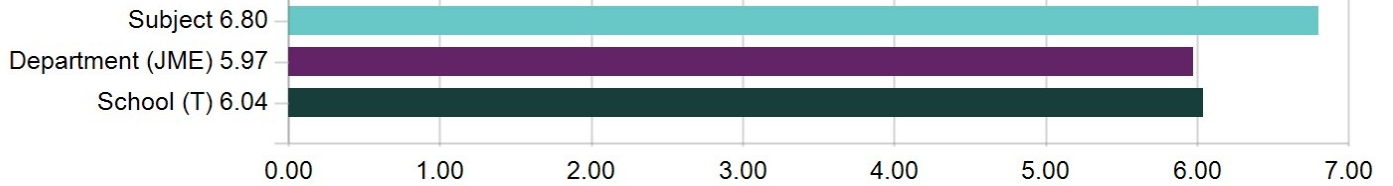
2. The assistant to the instructor was available and responsive to questions.



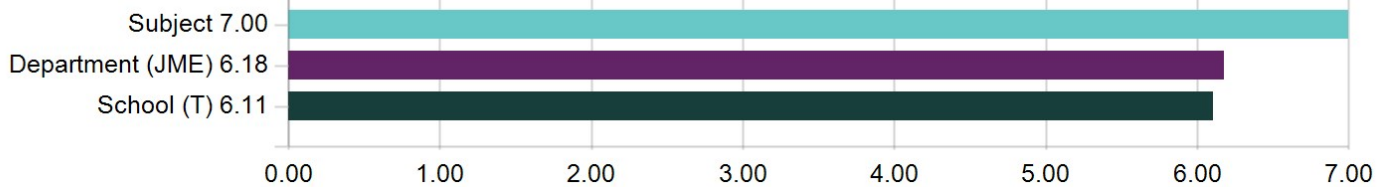
3. Recitation section served to enhance your understanding of the course material.



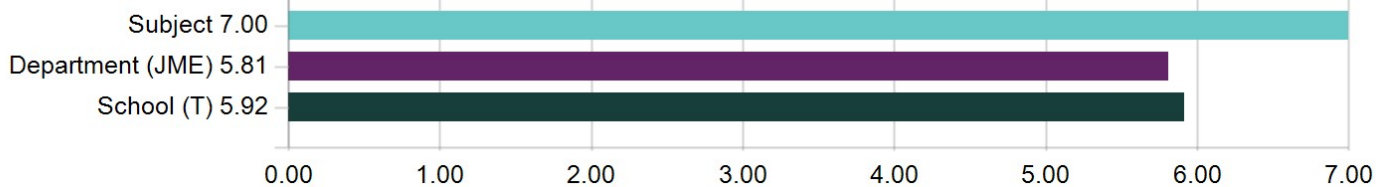
1. The assistant to the instructor was effective.



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
She is super helpful with going over the homeworks and respond to emails in a timely manner.
Niyousha was absolutely outstanding as a TA, she helped me so much with my questions and was so fast to respond to emails about homework.
She was very helpful and responded quick
AI was always available via e-mail and was extremely helpful.
Niyousha was fantastic! She was very helpful with homework problems and was always available to help us. She is very intelligent and her instruction always agreed with the professor's. I wish her the best of luck as she finishes her graduate program!
She did a very good job of being clear on the homework evaluations, and returned the graded homeworks quickly.

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

Comments
Very helpful

**Exams and Grade**

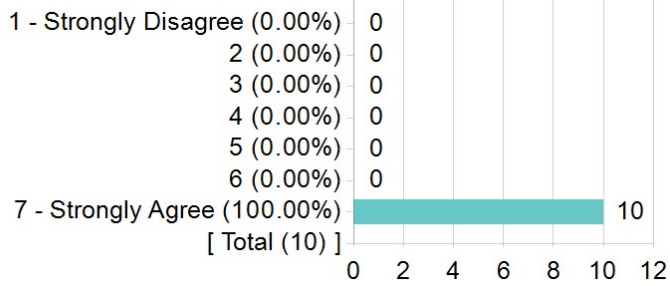
**Expected grade for this course.**

Expected grade for this course.		
Options	Count	Percentage
A	5	50.00%
B	4	40.00%
C	1	10.00%
D	0	0.00%
F	0	0.00%
P	0	0.00%

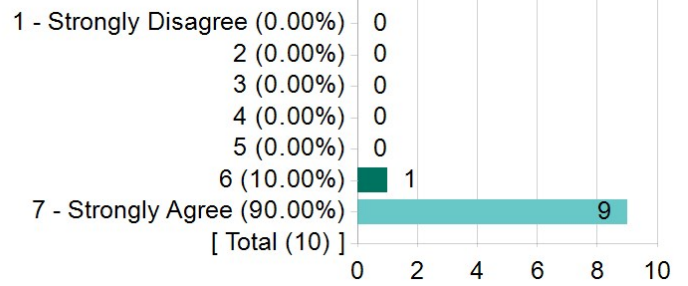
**Rating Scale Responses**

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
Exams reflected material taught.	10	7.00	0.00	7.00
Adequate time was given to complete exams.	10	6.90	0.32	7.00
Your grades to this point accurately reflect your understanding of the material.	10	6.80	0.42	7.00
The grading system was consistent and equitable.	10	7.00	0.00	7.00

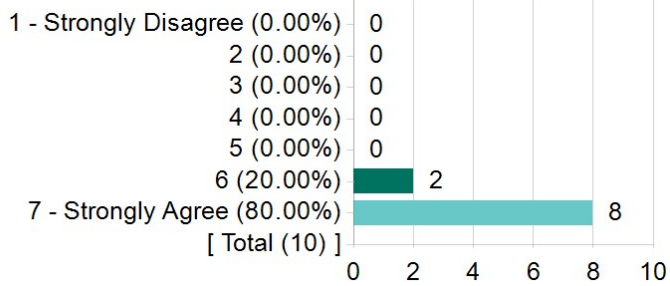
1. Exams reflected material taught.



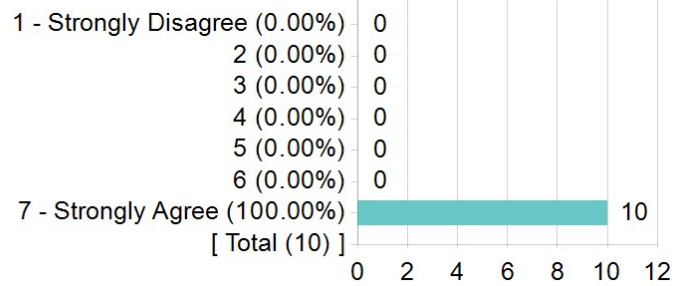
2. Adequate time was given to complete exams.



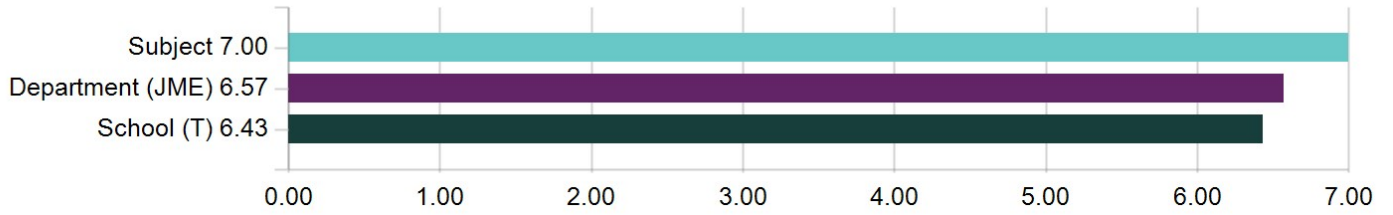
3. Your grades to this point accurately reflect your understanding of the material.



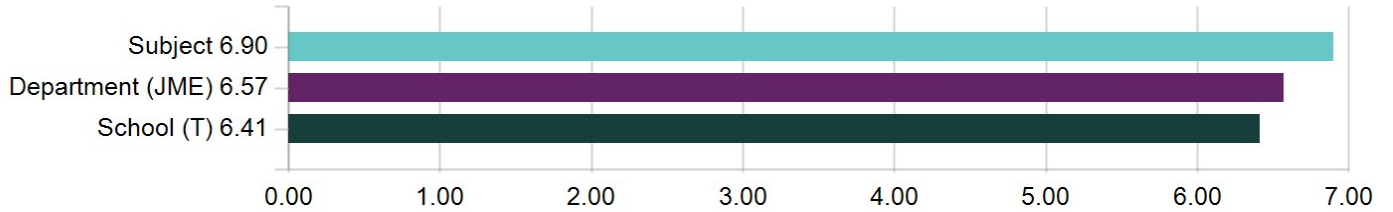
4. The grading system was consistent and equitable.



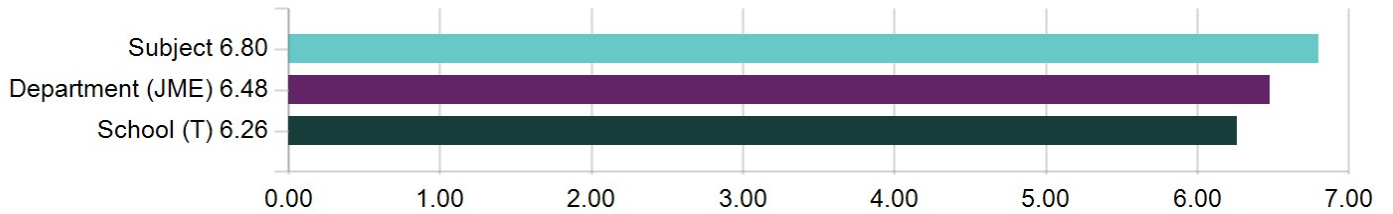
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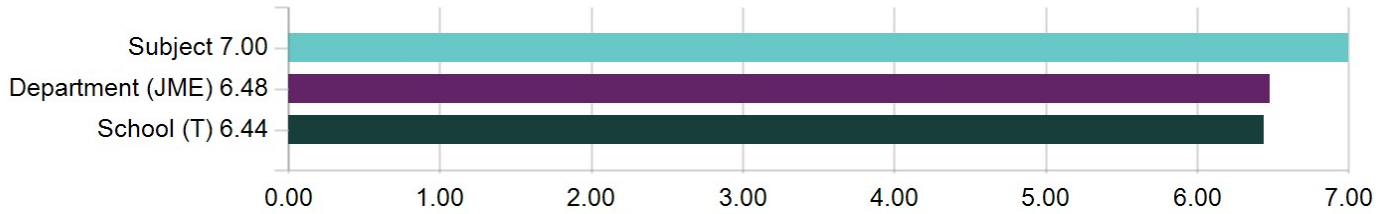
2. Adequate time was given to complete exams.



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



4. The grading system was consistent and equitable.



Overall

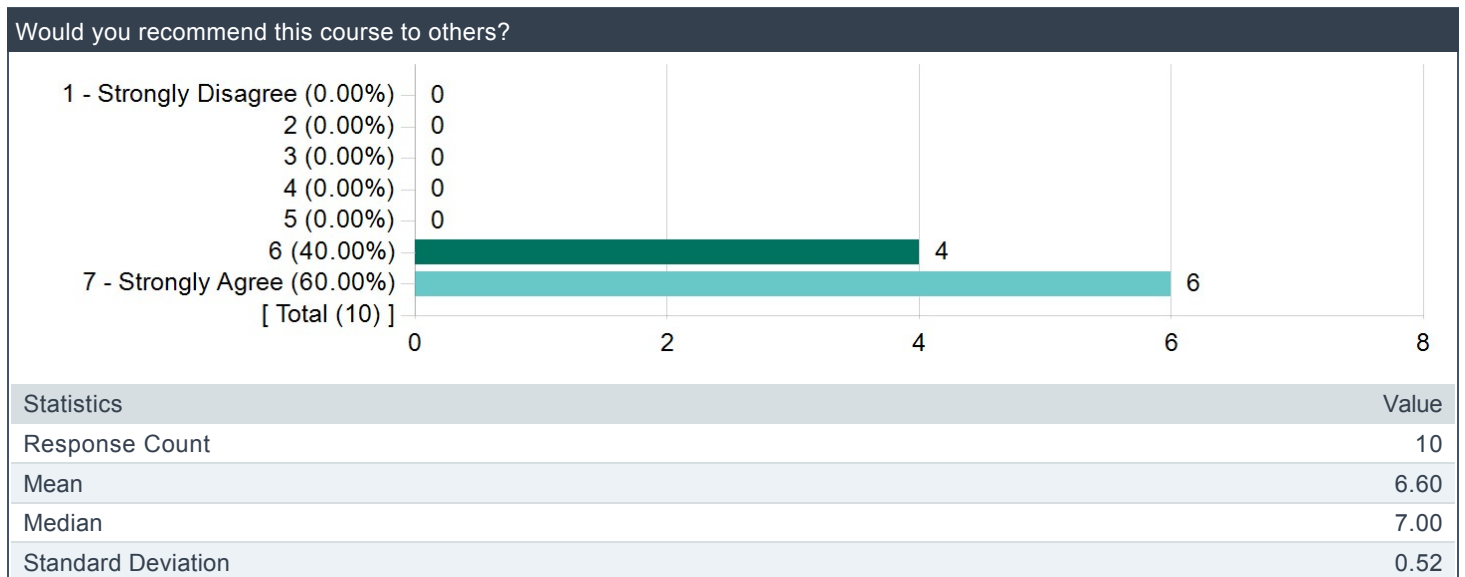
About how many hours per week did you spend on this course outside of class?

About how many hours per week did you spend on this course outside of class?		
Options	Count	Percentage
0	0	0.00%
1-3	2	20.00%
4-6	4	40.00%
7-9	3	30.00%
10-12	0	0.00%
13-15	1	10.00%
Over 15	0	0.00%

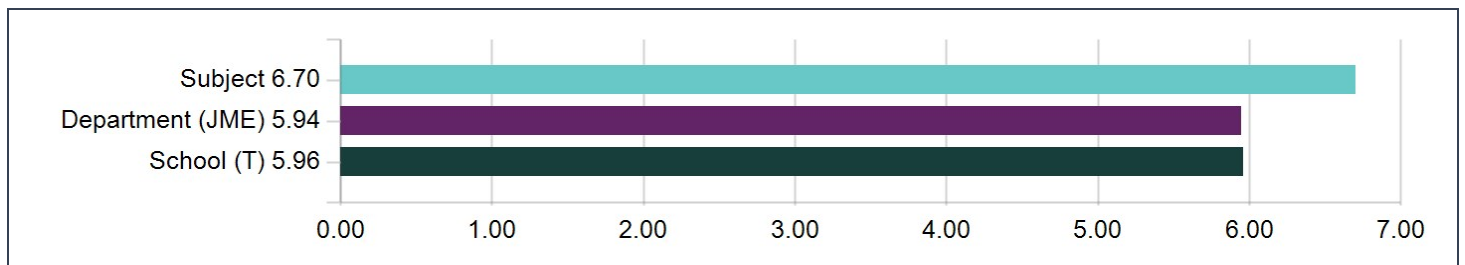
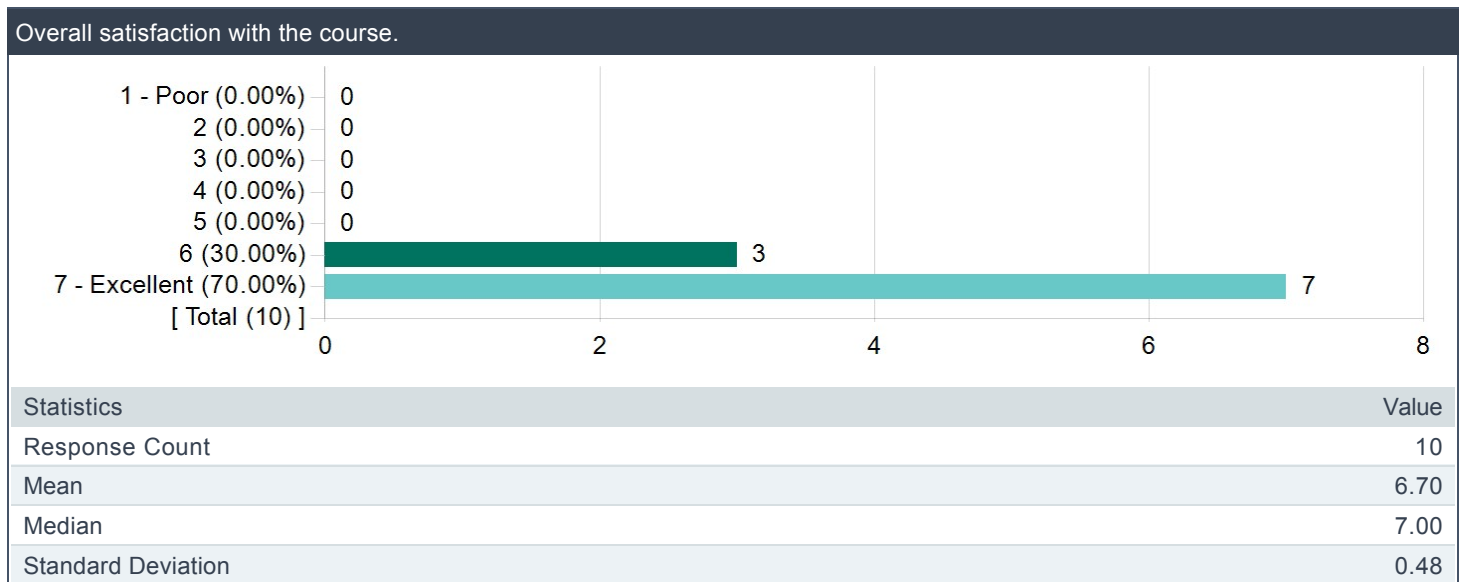
### What percentage of the lectures did you attend?

What percentage of the lectures did you attend?		
Options	Count	Percentage
0%	0	0.00%
10%	0	0.00%
20%	0	0.00%
30%	0	0.00%
40%	0	0.00%
50%	1	10.00%
60%	1	10.00%
70%	1	10.00%
80%	1	10.00%
90%	1	10.00%
100%	5	50.00%

### Would you recommend this course to others?



## Overall satisfaction with the course.



## Any comments on why you did or did not attend lecture?

**Comments**

They were recorded

The majority of my attendance was non-concurrent. Professor Wendl has an excellent grasp on the powers of the remote learnings and recorded sessions, so I watched the majority of the classes at a later time. I also had two in-person classes, one before and one immediately after, that made finding a quiet spot to listen to a remote lecture difficult in the allotted transfer time.

## Comments

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

**Comments**

The lectures were recorded. I like going back to the recorded lectures while reviewing my notes to study for the exam.

How the homework is like the tests and was applicable

I was able to grasp the material and it applies to a lot of mechanical disciplines such as HVAC.

It was thorough, well organized, and provided a good level of understanding of the subject material.



### How could this course improve?

Comments
I think with the time constraints it was difficult to cover the materials the instructor intend to do. If it was online again, the instructor can make this a 2 hour lecture course instead.
less detailed notes, more examples
Not sure.
Change the laws of physics to make them easier to understand.

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

Comments
Professor Wendl is very knowledgeable about the topics and he has made his own textbook that supplements the Heat Transfer textbooks.
He's just a great guy who is literally a genius. While he is super smart, he never made me feel dumb though, he always answered my questions and made me feel like I was asking good questions. Outstanding all around.
He was very flexible and loves helping students
He is my favorite professor from this entire program. He is personable, helps anyone who doesn't understand, treats us all with respect, and is highly intelligent.
He was very excited and positive, and did a good job of being consistent in his timing, teachings, and accessibility of the class and assignments.

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

Comments
Go through notes faster and focus on what will be practiced on hw
Prove less of the theories so you have time for all of the course material you want to cover. I'm not sure what we didn't cover, but I recall you starting every class saying we were behind. But really that was the only issue. Besides that 10/10!
Possibly offer some worked examples of similar problems to the homework. The textbook offers some formulas and examples laid out in more difficult manners than in class. The notes and in class problems help, but more examples can't hurt.

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

Comments
As long as you do the homeworks, then you'll do well on the exams. The professor and the TA are really good at answering questions so do not hesitate to ask them for help.
Very similar to fluid mechanics
Do homework as soon as it is assigned. It is very hard and can't be completed last minute.
A faster pace lecture style, ask questions at any point in time, and go to AI sessions if you need help! The homework is doable if you ask questions and don't procrastinate.
Difficult to initially grasp, but once the base information has been understood, the material builds on itself in a reasonable and logical manner.

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

Comments
No
Nope
no
No.

## Any additional comments?

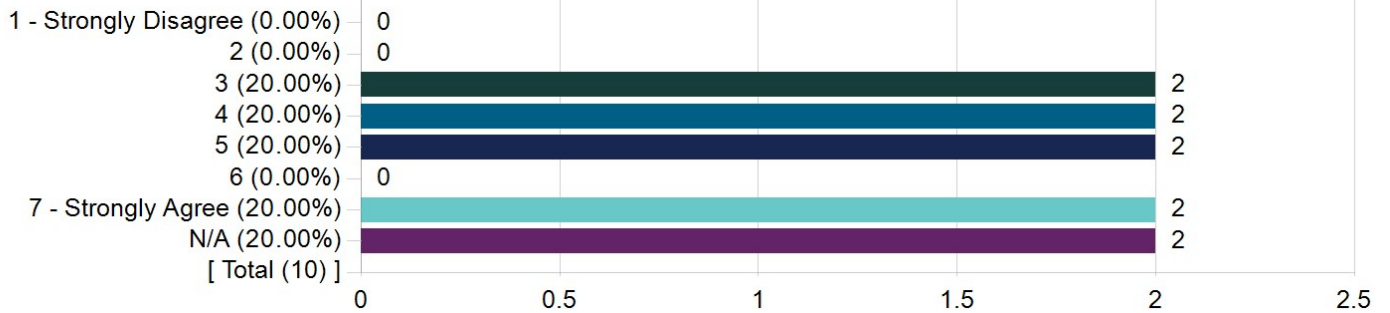
### Comments

Thank you for the semester!

## Hybrid/Remote Learning

There was ample opportunity to interact with your classmates.

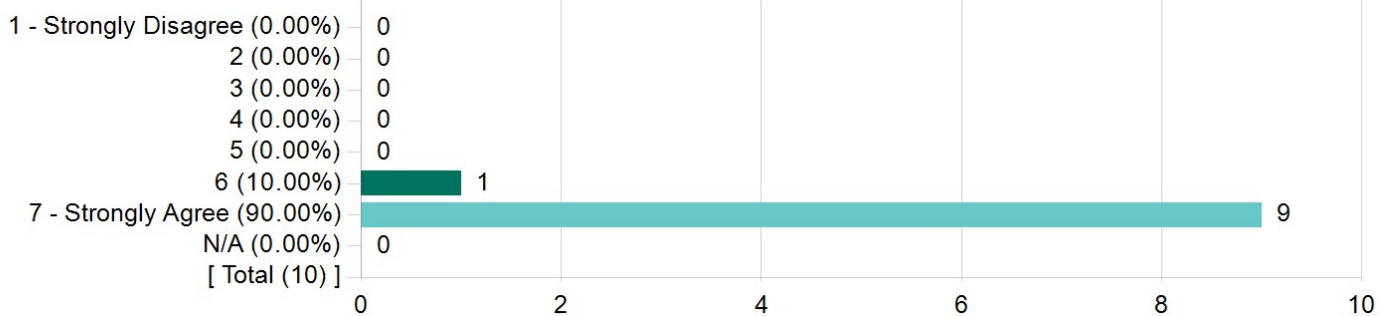
There was ample opportunity to interact with your classmates.



Statistics	Value
Mean	5.40
Median	5.00
Mode	3, 4, 5, 7, 8
Standard Deviation	1.96

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

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Statistics	Value
Mean	6.90
Median	7.00
Mode	7
Standard Deviation	0.32