Spring 2022 Engineering Instructor Report for SP2022.T17.JME.3700.01 - Fluid Mechanics (Michael Wendl)

Project Title: **Spring 2022 Course Evaluations - Danforth Campus**

Courses Audience: **32**
Responses Received: **11**
Response Ratio: **34.38%**

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

Creation Date: **Wednesday, May 18, 2022**

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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	11	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	11	100.00%
No	0	0.00%

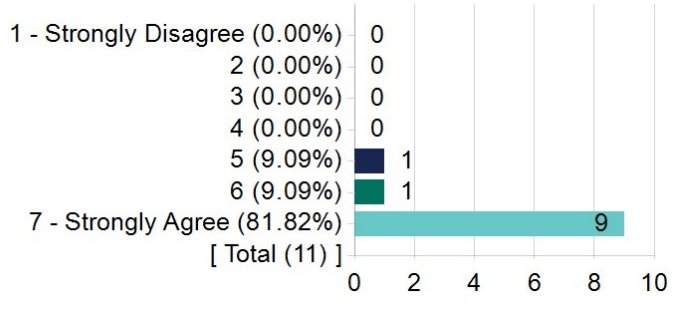
Early in the semester, did your professor explain the expectations for academic integrity?

Early in the semester, did your professor explain the expectations for academic integrity?		
Options	Count	Percentage
Yes	11	100.00%
No	0	0.00%

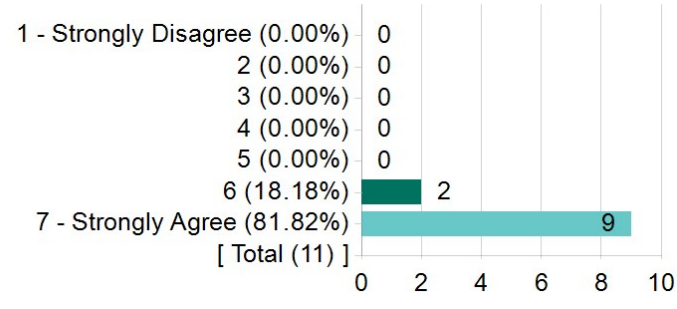
Rating Scale Responses

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
In retrospect, the syllabus was an accurate reflection of how the course was actually taught.	11	6.73	0.65	7.00
The course matched the course catalog description.	11	6.82	0.40	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.



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

2. The course matched the course catalog description.

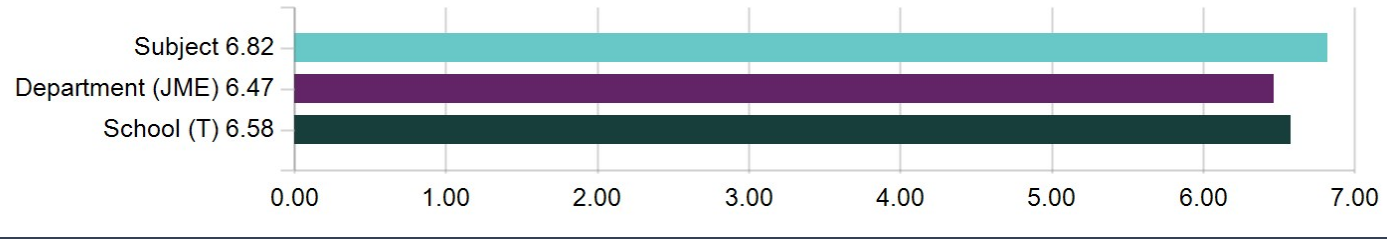
Please elaborate if you felt the course did not match the course catalog description.

Comments
Fluid schedule

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

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

Statistics	Value
Response Count	11
Mean	6.82
Median	7.00
Standard Deviation	0.40



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

Comments
Answered everyone’s questions
There were a few students in the class that may have tested his patience, but Professor Wendl didn't show it and was always tactful in addressing comments, interruptions, and questions.

Instructor Evaluation

Overall rating for teaching quality of Michael Wendl.

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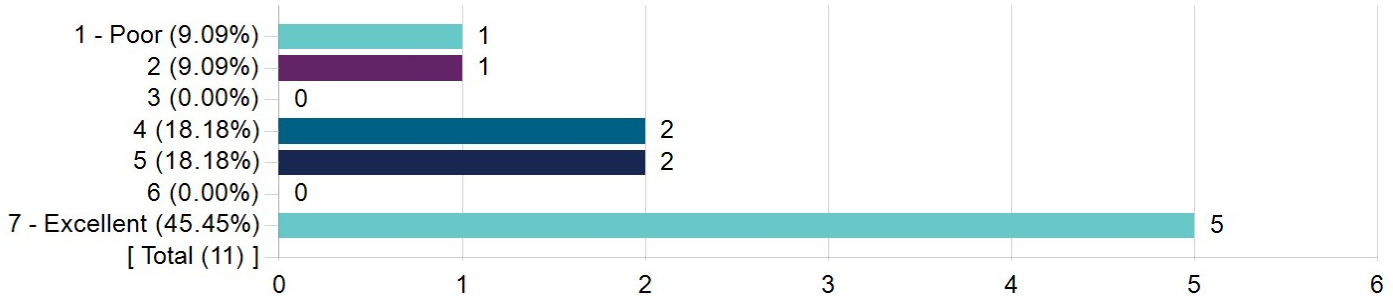
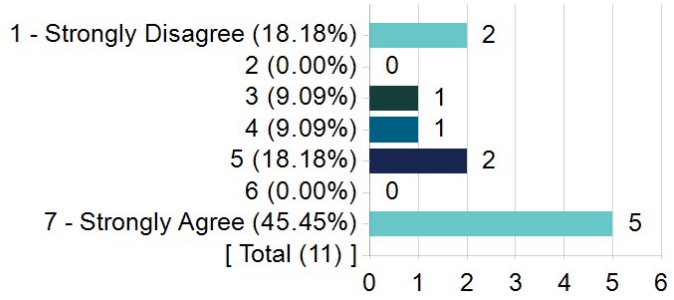


Statistics	Value
Response Count	11
Mean	5.09
Median	5.00
Standard Deviation	2.17

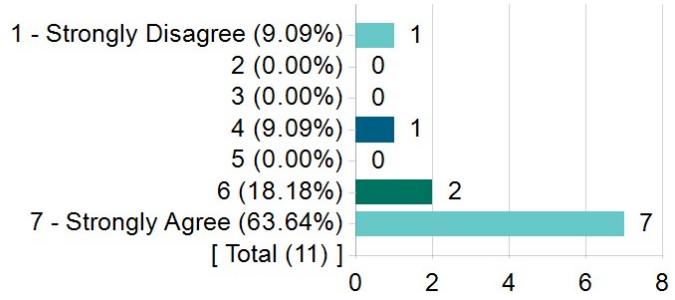
Rating Scale Responses for Michael Wendl

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
The instructor made the course interesting.	11	4.91	2.39	5.00
The instructor was enthusiastic about the course.	11	6.00	1.90	7.00
The material was covered at a reasonable pace.	11	5.09	2.26	6.00
The instructor was available to answer questions (through office hours, email, etc.).	11	5.45	2.38	7.00
The instructor was well-organized and prepared for class.	11	6.09	1.81	7.00
The instructor explained the course material so that you could understand it.	11	4.73	2.33	5.00

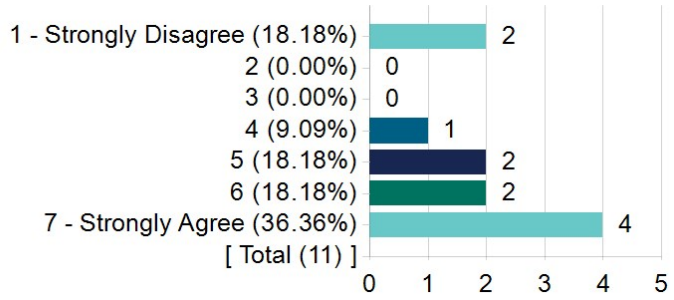
1. The instructor made the course interesting.



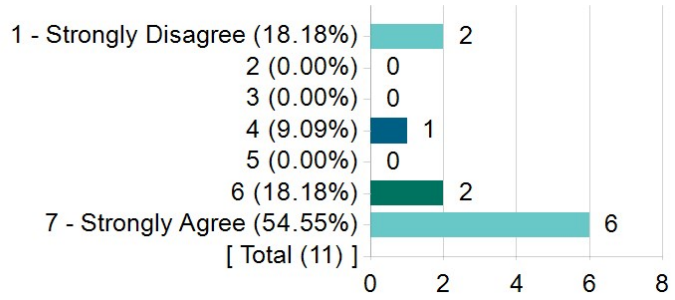
2. The instructor was enthusiastic about the course.



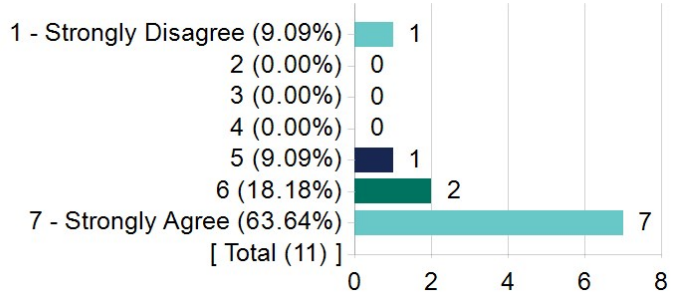
3. The material was covered at a reasonable pace.



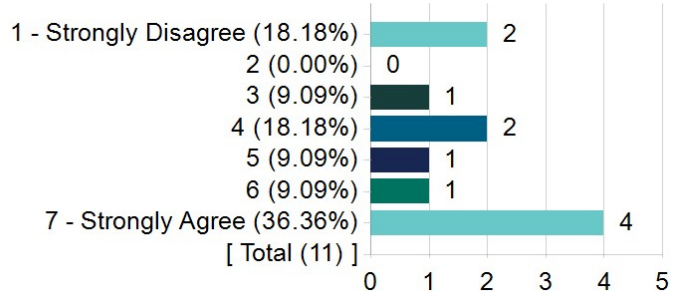
4. The instructor was available to answer questions (through office hours, email, etc.).



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



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



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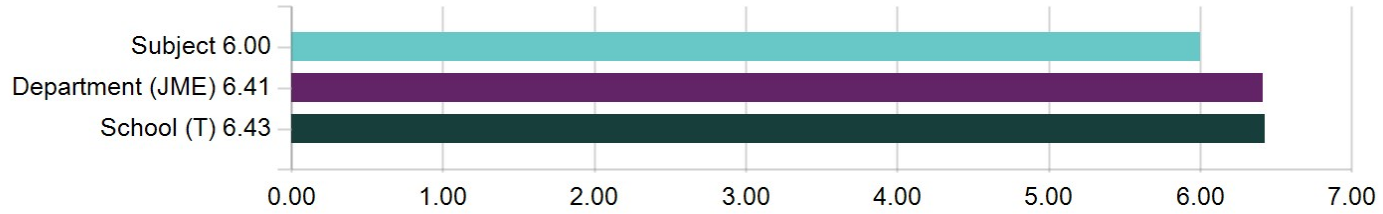
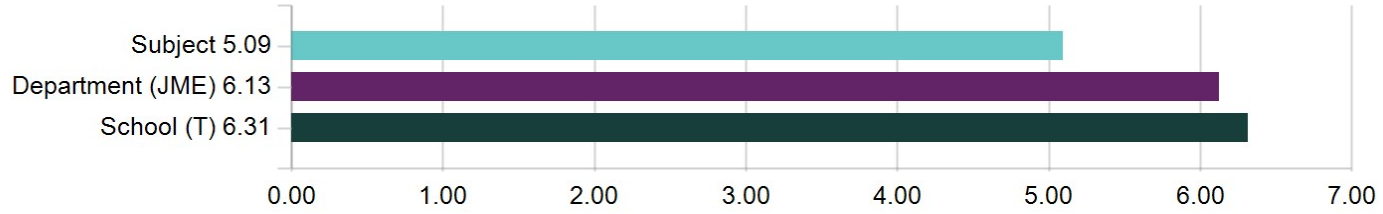
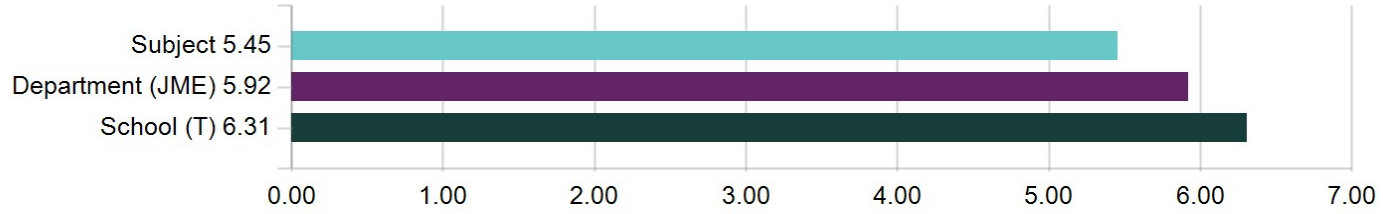


3. The material was covered at a reasonable pace.



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



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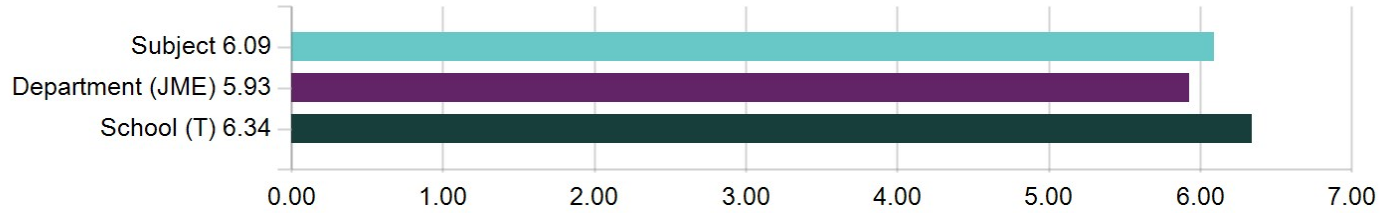

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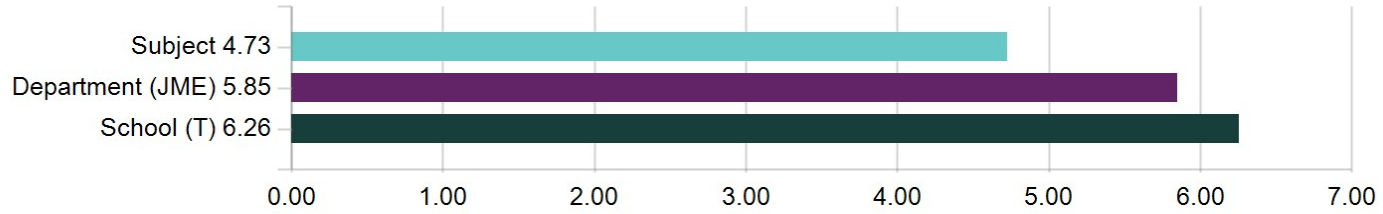

Please elaborate if you felt the material was not covered at a reasonable pace.

Comments
I think towards the end of the class the chapters were brushed through because we did not have enough time in the semester left. This is not the instructor's fault as it takes a long time to understand/explain a complicated topic such as this.
Professor Wendl would always go extremely fast through examples and subjects it seems he is in his own head while teaching

Course Materials and Assignments

Overall rating of course content.

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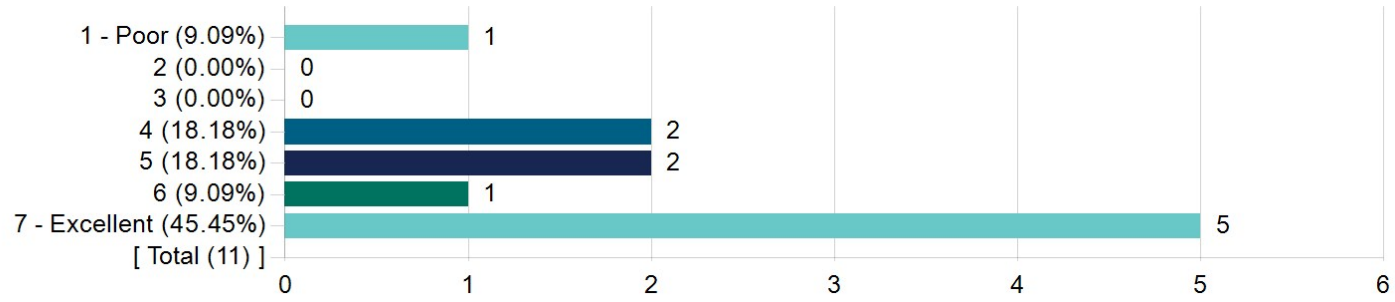
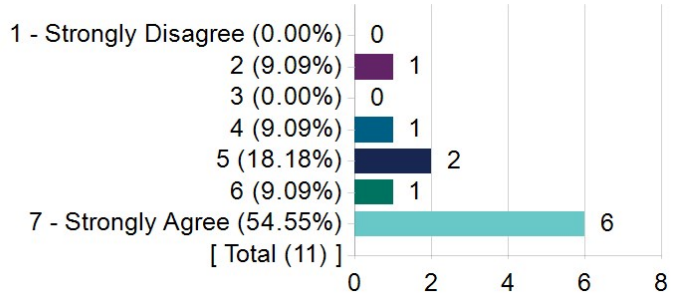


Statistics	Value
Response Count	11
Mean	5.45
Median	6.00
Standard Deviation	1.92

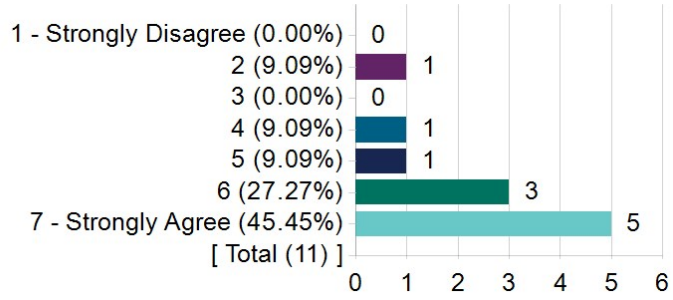
Rating Scale Responses

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
Textbooks/readings complemented the lectures.	11	5.82	1.66	7.00
Textbooks/readings were useful.	11	5.82	1.60	6.00
Assigned homeworks were helpful and relevant to the course.	11	5.55	1.97	6.00
There was reasonable time to complete assignments.	10	6.70	0.48	7.00
Assignments were returned within a reasonable period of time.	11	6.00	1.41	7.00
Comments on graded work were helpful.	10	6.00	1.76	7.00
Labs were an effective supplement to the course.	3	5.00	3.46	7.00
The course material drew upon real world applications.	11	6.27	1.56	7.00

1. Textbooks/readings complemented the lectures.



2. Textbooks/readings were useful.



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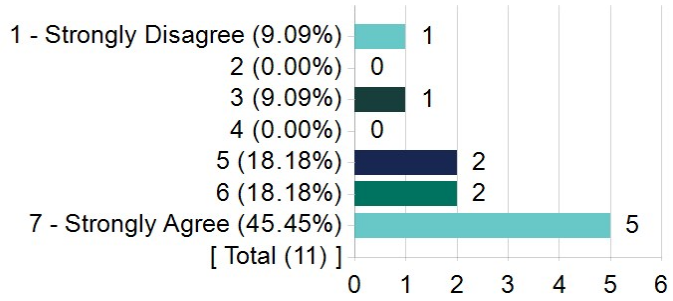
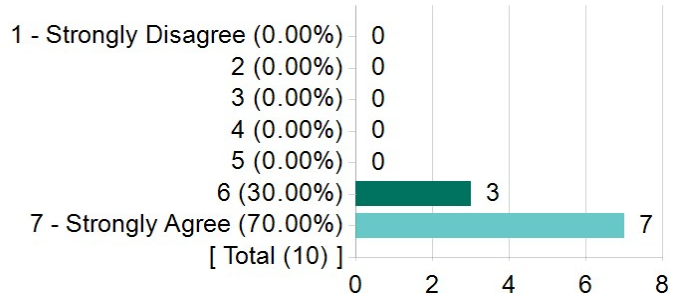
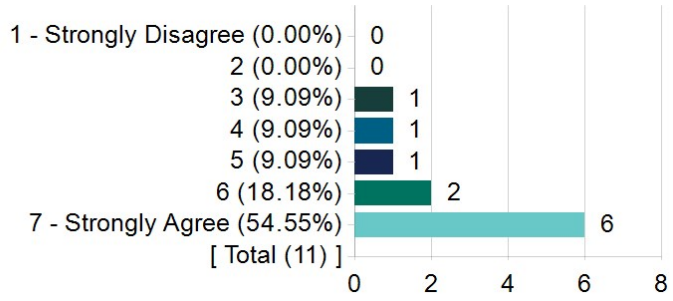


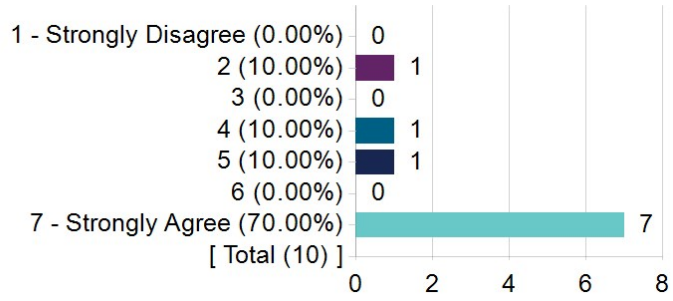
4. There was reasonable time to complete assignments.



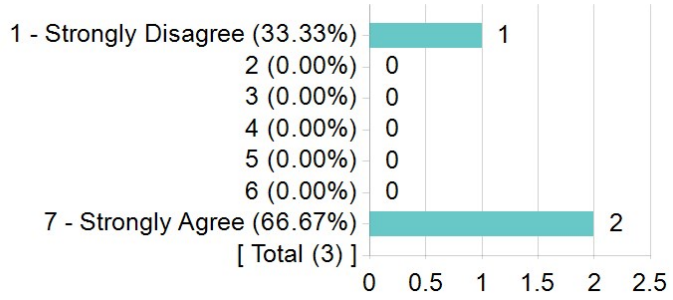
5. Assignments were returned within a reasonable period of time.



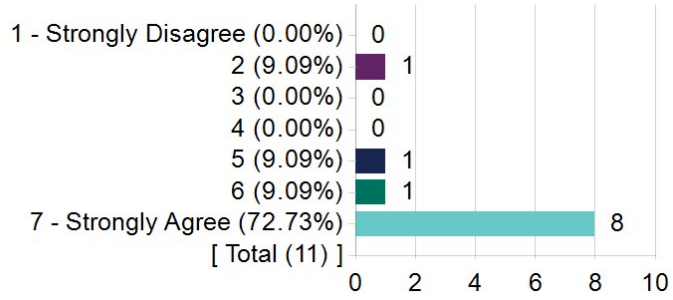
6. Comments on graded work were helpful.



7. Labs were an effective supplement to the course.



8. The course material drew upon real world applications.



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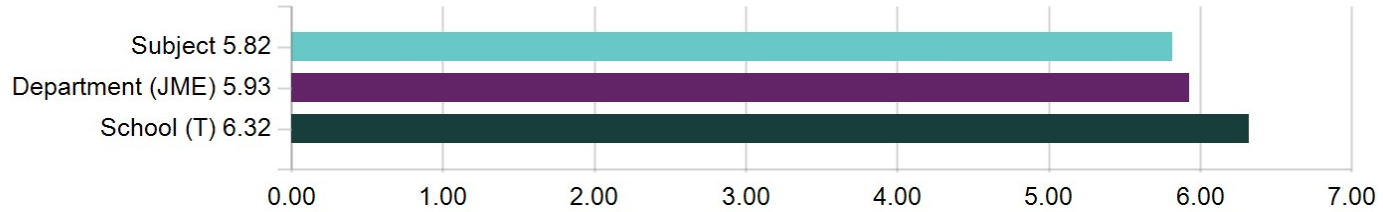
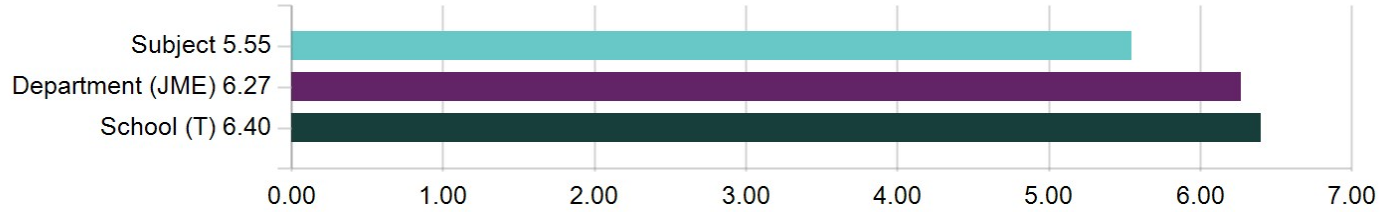
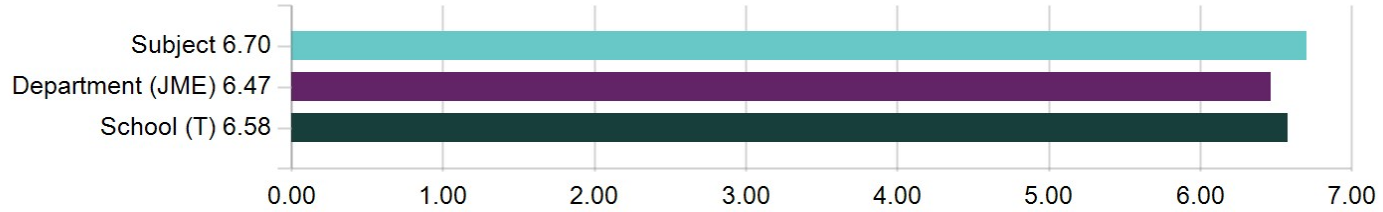


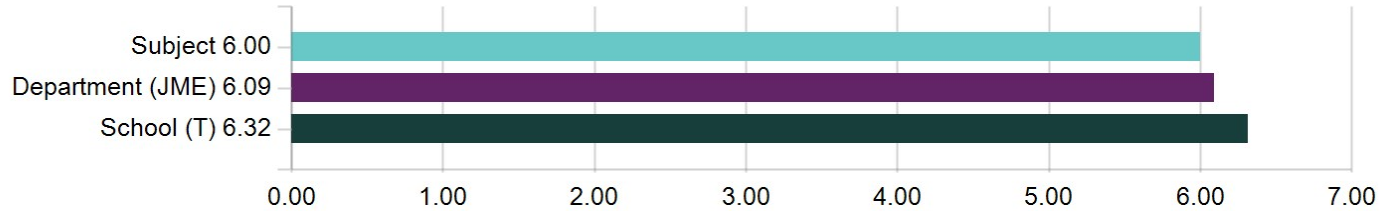
3. Assigned homeworks were helpful and relevant to the course.



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.

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

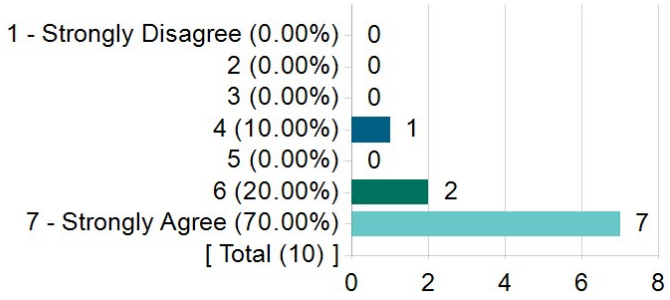
Comments
Wrong textbook versions.
The textbook for this course was not very useful in my opinion, it was very boring and did not do a very good job of explaining concepts. There are likely much better textbooks out there.
Lecture closely followed the provided class notes. The textbook was not really needed.

Assistant to the Instructor (AI) and Recitation

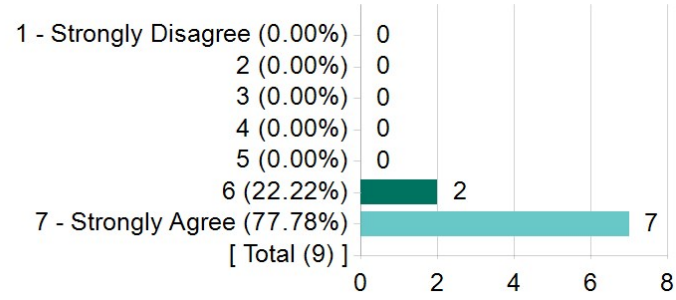
Rating Scale Responses

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
The assistant to the instructor was effective.	10	6.50	0.97	7.00
The assistant to the instructor was available and responsive to questions.	9	6.78	0.44	7.00
Recitation section served to enhance your understanding of the course material.	6	6.33	1.21	7.00

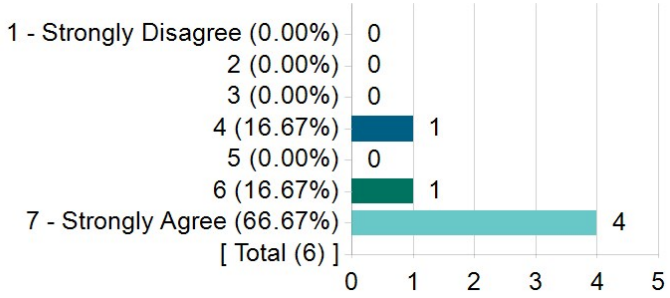
1. The assistant to the instructor was effective.



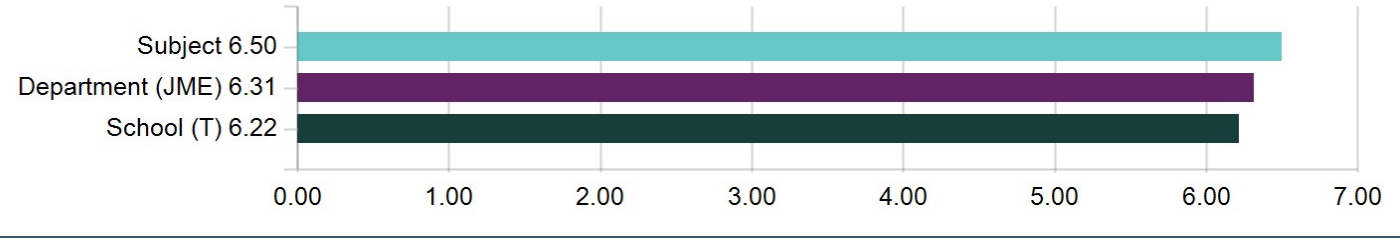
2. The assistant to the instructor was available and responsive to questions.



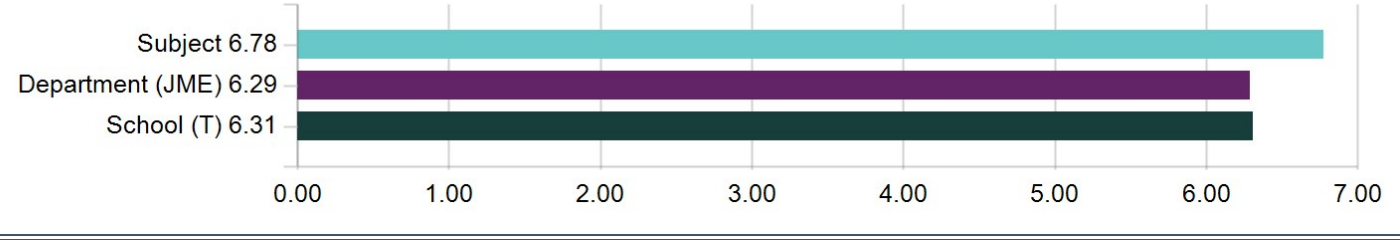
3. Recitation section served to enhance your understanding of the course material.



1. The assistant to the instructor was effective.



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



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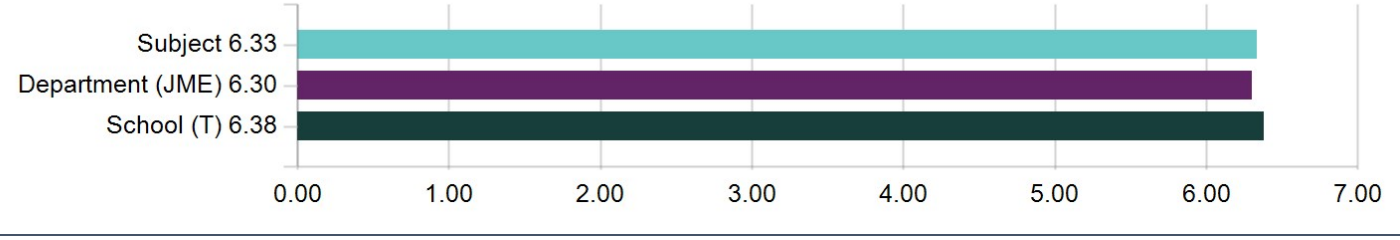


Please comment on the effectiveness of the assistant to the instructor (AI).

Comments
Pretty helpful when answering questions
Excellent way to further my understanding my knowledge by answering my questions
She was communicative and a good grader.

Exams and Grade

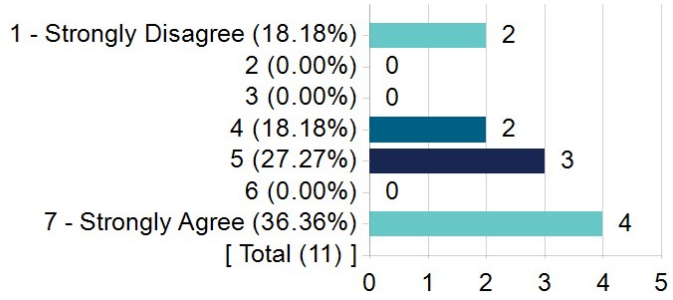
Expected grade for this course.

Expected grade for this course.		
Options	Count	Percentage
A	2	18.18%
B	7	63.64%
C	2	18.18%
D	0	0.00%
F	0	0.00%
P	0	0.00%

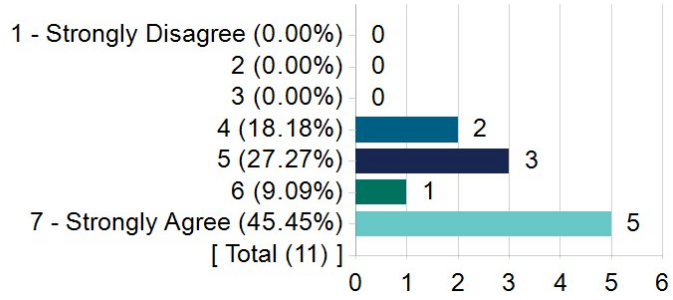
Rating Scale Responses

Question	Subject			
	Response Count	Mean	Standard Deviation	Median
Exams reflected material taught.	11	4.82	2.23	5.00
Adequate time was given to complete exams.	11	5.82	1.25	6.00
Your grades to this point accurately reflect your understanding of the material.	11	4.82	2.09	5.00
The grading system was consistent and equitable.	10	5.70	1.89	6.50

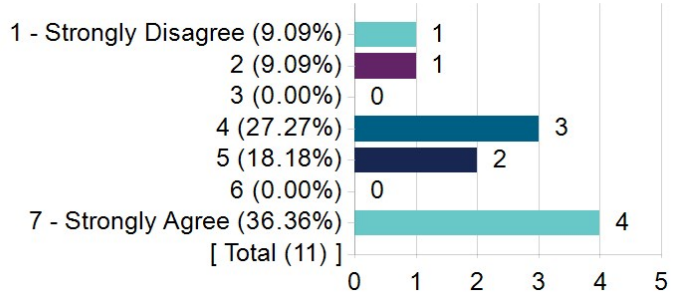
1. Exams reflected material taught.



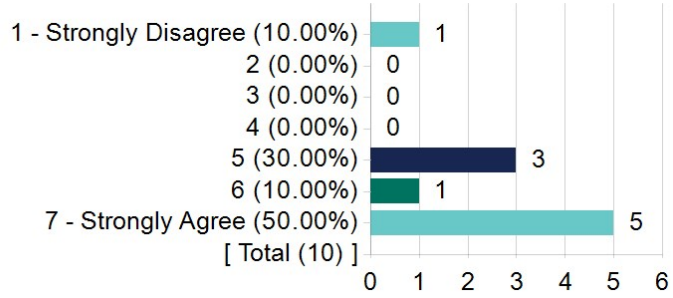
2. Adequate time was given to complete exams.



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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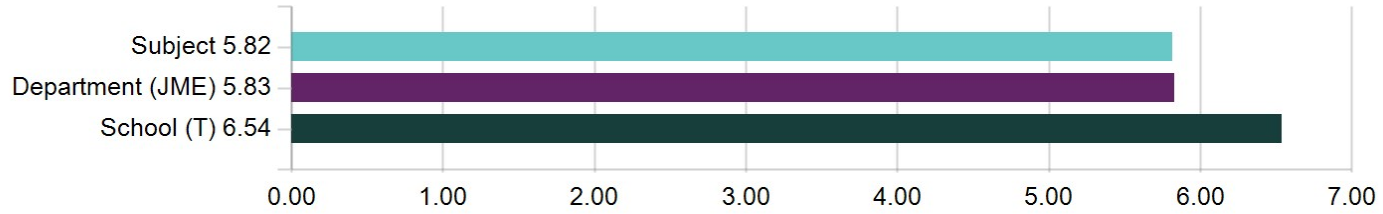

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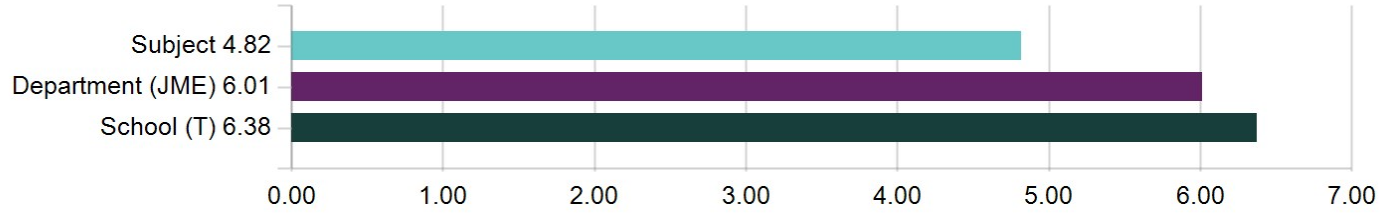
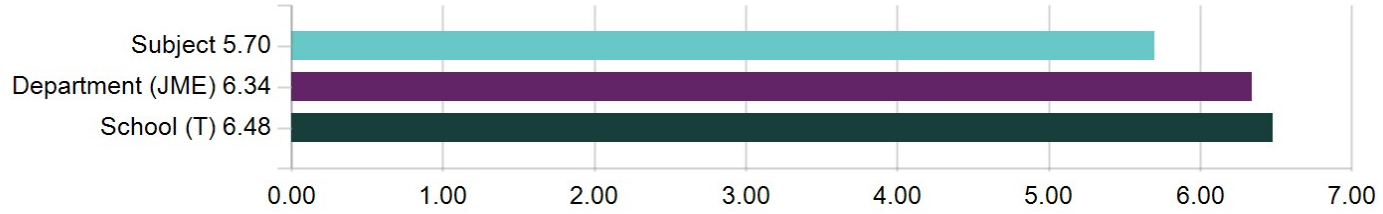


4. The grading system was consistent and equitable.



Please elaborate if you felt the grading system was not consistent and equitable.

Comments
The first midterm was much harder than the practice midterm from last year that we were given to study. The problems were barely correlated to examples we practiced in the homework. Which made for very bad test questions overall. And grading is pretty weird for that class as you don't really know where you stand till the end. As he takes the class average and makes it a b or c.
The two exams given– midterm and final– were completely different difficulty levels. There was not enough time to complete the midterm, but there was more than enough time for the final.

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	0	0.00%
4-6	5	45.45%
7-9	4	36.36%
10-12	1	9.09%
13-15	1	9.09%
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%	0	0.00%
60%	0	0.00%
70%	0	0.00%
80%	2	18.18%
90%	3	27.27%
100%	6	54.55%

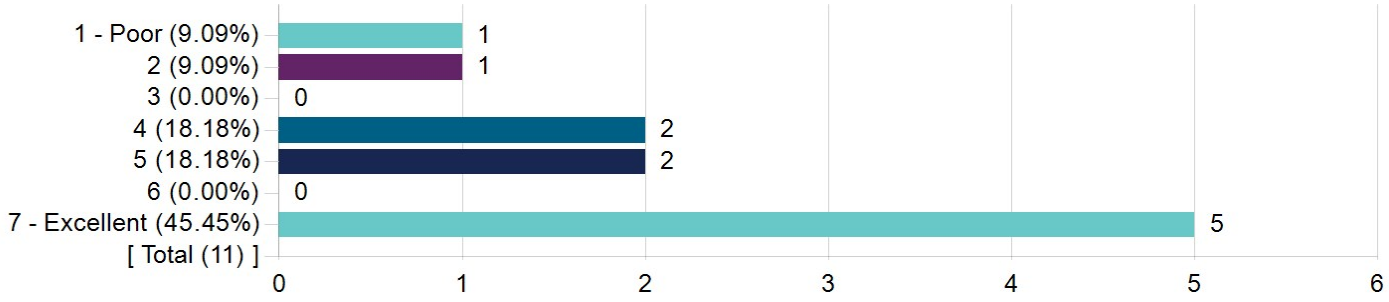
Would you recommend this course to others?

Would you recommend this course to others?

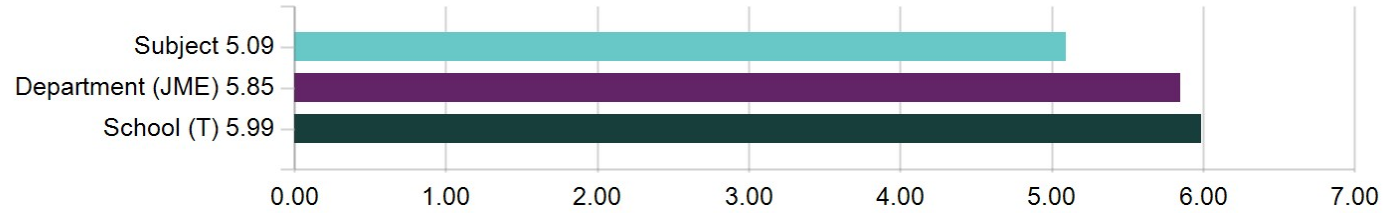
Statistics	Value
Response Count	11
Mean	4.82
Median	5.00
Standard Deviation	2.40

Overall satisfaction with the course.

Overall satisfaction with the course.



Statistics	Value
Response Count	11
Mean	5.09
Median	5.00
Standard Deviation	2.17



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

Comments
The Homework was not a reflection of the lecture. I had a better experience getting help from YouTube and my book. He is a terrible teacher and his Material doesn't align with the test
Because even if you understand 1 out of 100 things he talks about that's better than nothing.
Lecture sometimes veered off on tangents. It was not always applicable to material we were to be tested on or have for homework assignments. It also so closely followed the class notes that if I missed, I knew I still had access to the material.

Comments

What did you like most about this course?

Comments
The student assistant
The bernoulli’s equations
The topics.
nothing really
I liked the structure of homework assignments, with hard deadlines every 2 weeks. It developed problem solving ability more than other classes. It was also nice to have only 2 tests in the semester.

How could this course improve?

Comments
Make sure everyone uses the same textbook.
Have a different teacher. He talks to chalkbored and doesn't incorporates the class. Have in class problems that relate to the homework and exams.
Feel like more example problems are necessary
Give more time per chapter to allow the teacher to go more in–depth on the topics.
different instructor, more relevant tests, easier homework questions, take homework questions out of book, better textbook, more than 1 midterm, ability to drop a test grade, record lectures
Provide an equations sheet with the most useful equations. The class notes were useful, but many of the included equations weren't needed for solving problems. It made it more difficult to determine what tools I had available when working on homework.

What did you like the most about Instructor Michael Wendl?

Comments
He's smart
The teacher’s enthusiasm and trying to relate outside world applications. The golf ball is a good example
His passion and understanding of the subjects.
He is a very smart guy and seems to know a ton about fluid mechanics.
Approachable, patient, enthusiastic, and very knowledgeable about the subject. He pushed us to become better problem solvers, more than most other professors do.

How could Instructor Michael Wendl improve?

Comments
Give in class problems that relate to homework and Exams. Don't assume that students know what he's talking about. Incorporate the class in the discussion
More fun real world applications
Use more applied examples in lectures and less mathematical theory.
I feel he almost knows too much about the subject that he has a hard time breaking it down for beginners to understand. When he teaches he goes through the material so fast in his head it is very easy to get lost. Rarely does he ask the class questions to reinforce understanding. His homework assignments are much too complicated to be helpful before he posts the answers. Most of the time it is difficult to even know where to start. If I were him I would just assign textbook problems that were relevant to what we are learning. He also had the tendency to go on long tangents which were unhelpful. The best days in his class were those where he would go over example problems, but unfortunately, those days are not as common as they should be. And sometimes even then the problems were still extremely difficult but it was better than him deriving complex fluid equations.
Slow down a little in lecture, when doing example problems. It was hard to keep up. Make exams problems more predictable. Tests pulled from material learned in other classes that we weren't fresh on.

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

Comments
Avoid his class. You're going to be unsure about your grade as well as your experience
Excellebt class
Hard.
don't take it
It's tough material, but the curve makes it feel fair. Wendl is a nice professor, but he is too smart for me to keep up.

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

Comments
I have not.
no
No.

Any additional comments?

Comments
Consider getting another teacher for Fluids. We are limited to just him.

Hybrid/Remote Learning

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

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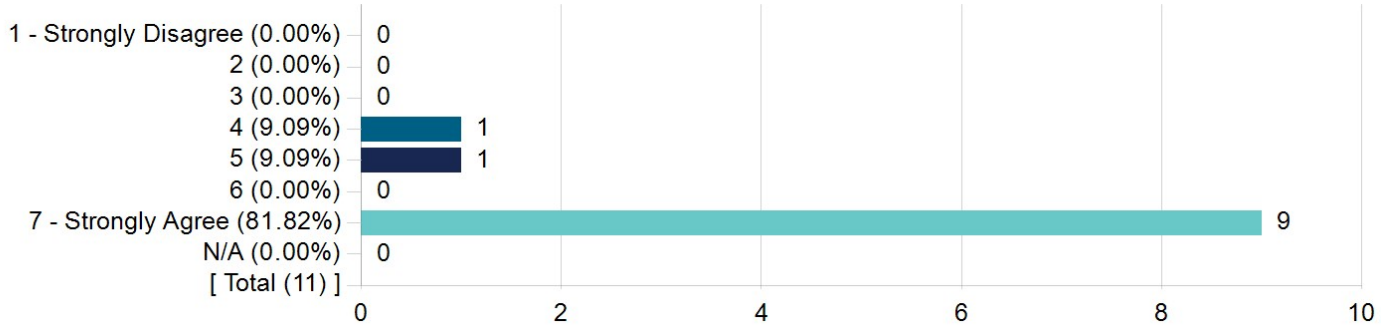

Statistics	Value
Mean	6.55
Median	7.00
Mode	7
Standard Deviation	1.04