



WashU Spring 2019 Instructor Report for SP2019.T17.JME.3700.01 - Fluid Mechanics (Michael Wendl)

Project Title: **WashU Spring 2019 Course Evaluations**

Courses Audience: **50**
Responses Received: **18**
Response Ratio: **36.00%**

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: **Monday, May 20, 2019**

Course Administration

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

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

Options	Count	Percentage
Yes	18	100.00%
No	0	0.00%

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

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

Options	Count	Percentage
Yes	18	100.00%
No	0	0.00%

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

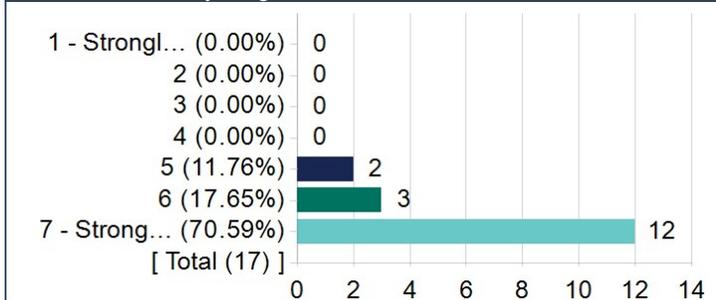
1. Early in the semester, did your professor explain the expectations for academic integrity?

Options	Count	Percentage
Yes	17	94.44%
No	1	5.56%

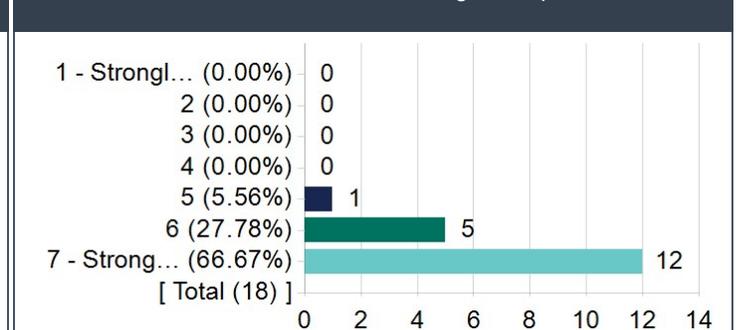
Rating Scale Responses

Question	Response Count	Score		
		Mean	Standard Deviation	Median
In retrospect, the syllabus was an accurate reflection of how the course was actually taught.	17	6.59	0.71	7.00
The course matched the course catalog description.	18	6.61	0.61	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.

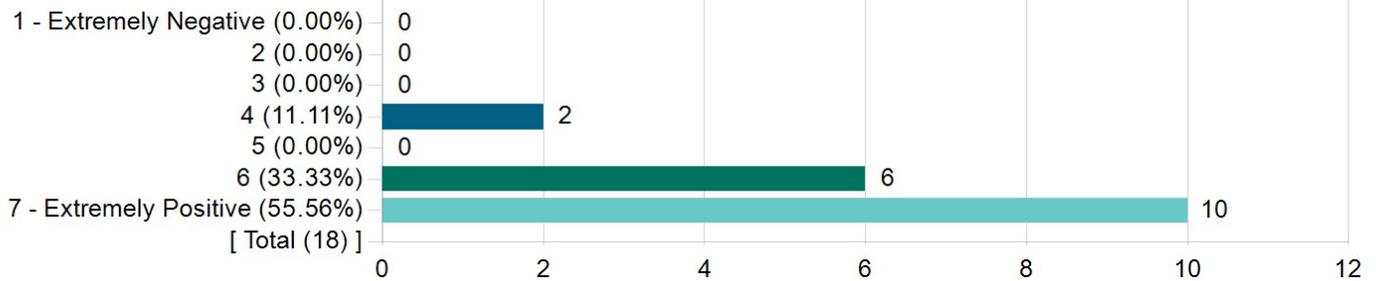


2. The course matched the course catalog description.



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

1. 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	18
Mean	6.33
Median	7.00
Standard Deviation	0.97



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

Comments

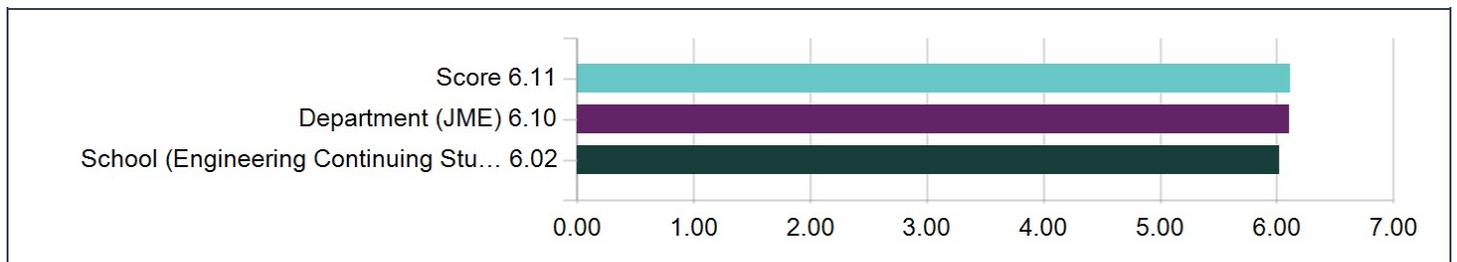
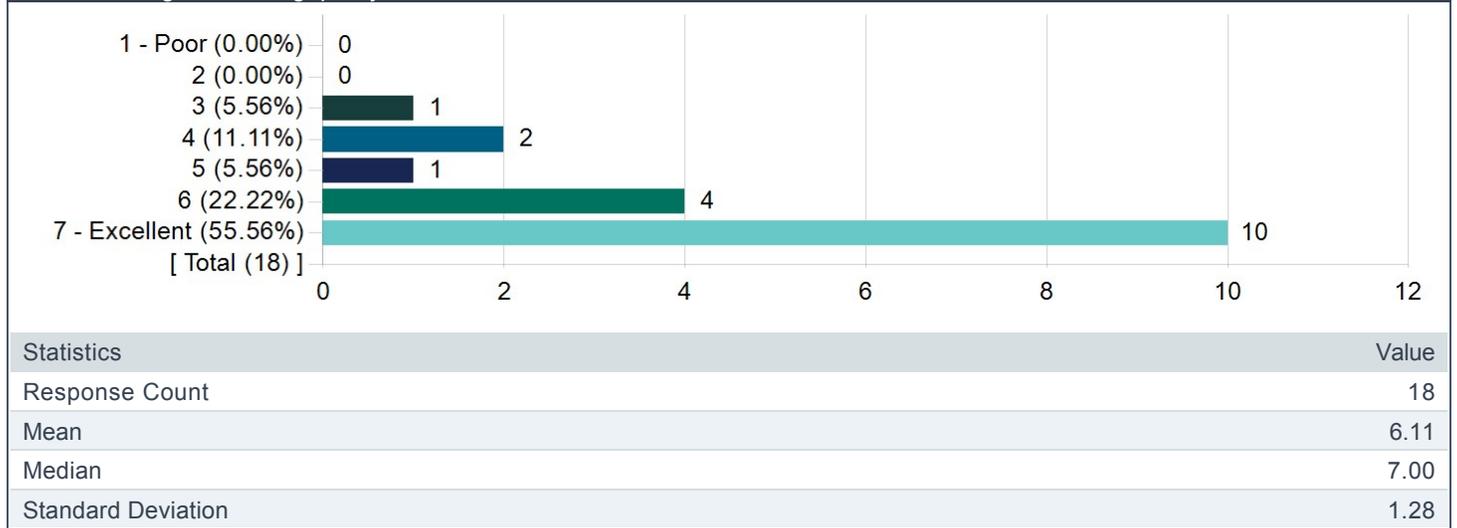
In some of the sections not many examples were done to illustrate the objective of certain equations and methods.

He's super fast on reply the email and understand on what we need help with

Instructor Evaluation

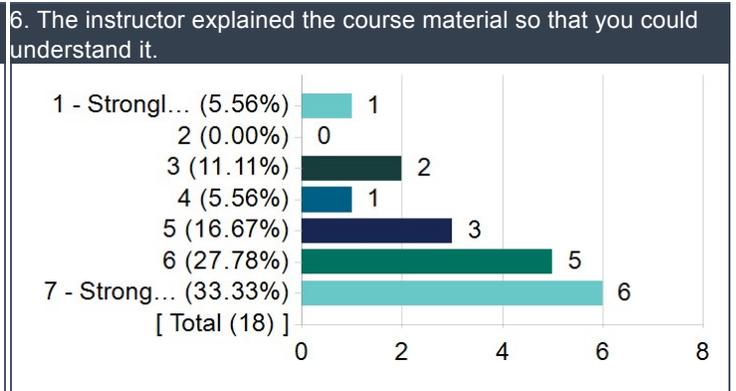
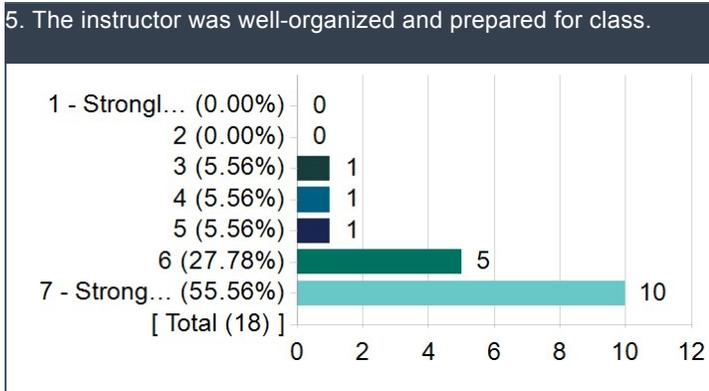
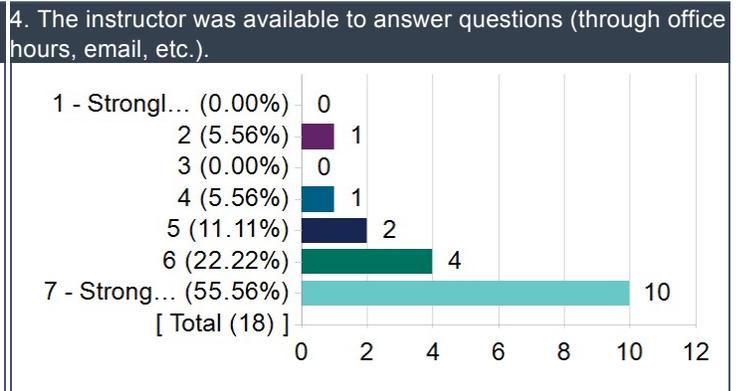
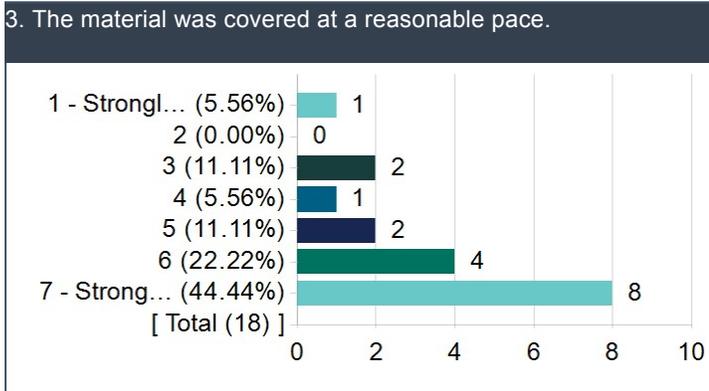
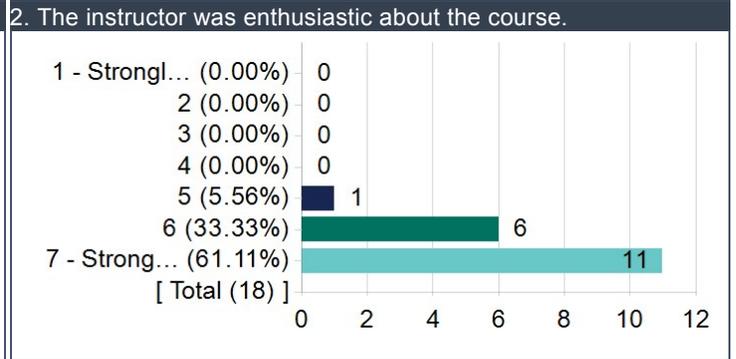
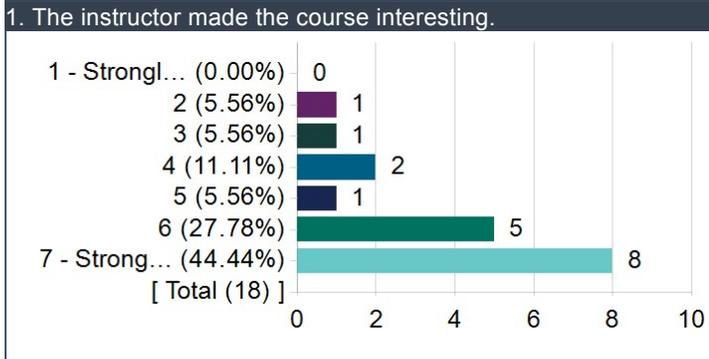
Overall rating for teaching quality of **Michael Wendl**.

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



Rating Scale Responses for **Michael Wendl**

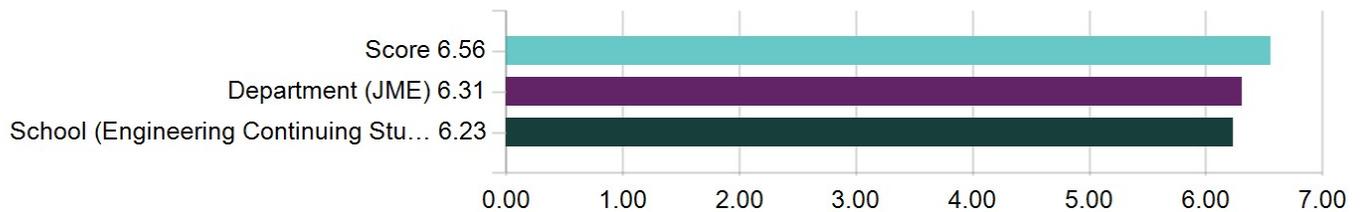
Question	Response Count	Score		
		Mean	Standard Deviation	Median
The instructor made the course interesting.	18	5.78	1.56	6.00
The instructor was enthusiastic about the course.	18	6.56	0.62	7.00
The material was covered at a reasonable pace.	18	5.61	1.79	6.00
The instructor was available to answer questions (through office hours, email, etc.).	18	6.11	1.37	7.00
The instructor was well-organized and prepared for class.	18	6.22	1.17	7.00
The instructor explained the course material so that you could understand it.	18	5.44	1.72	6.00



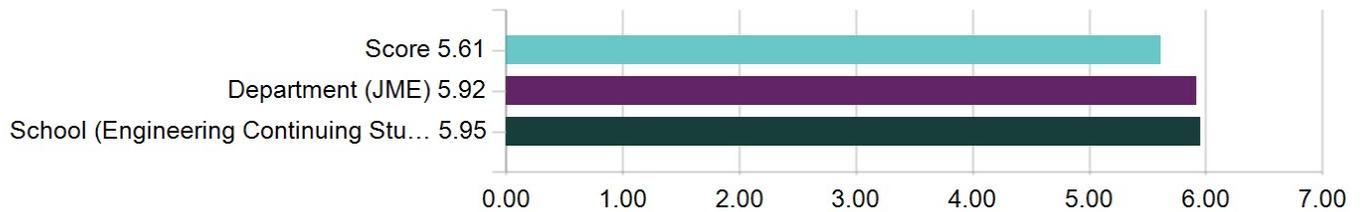
1. The instructor made the course interesting.



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.

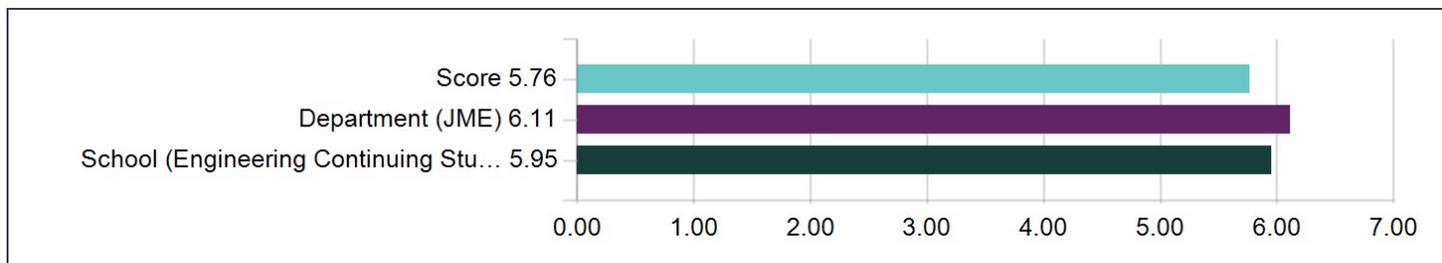
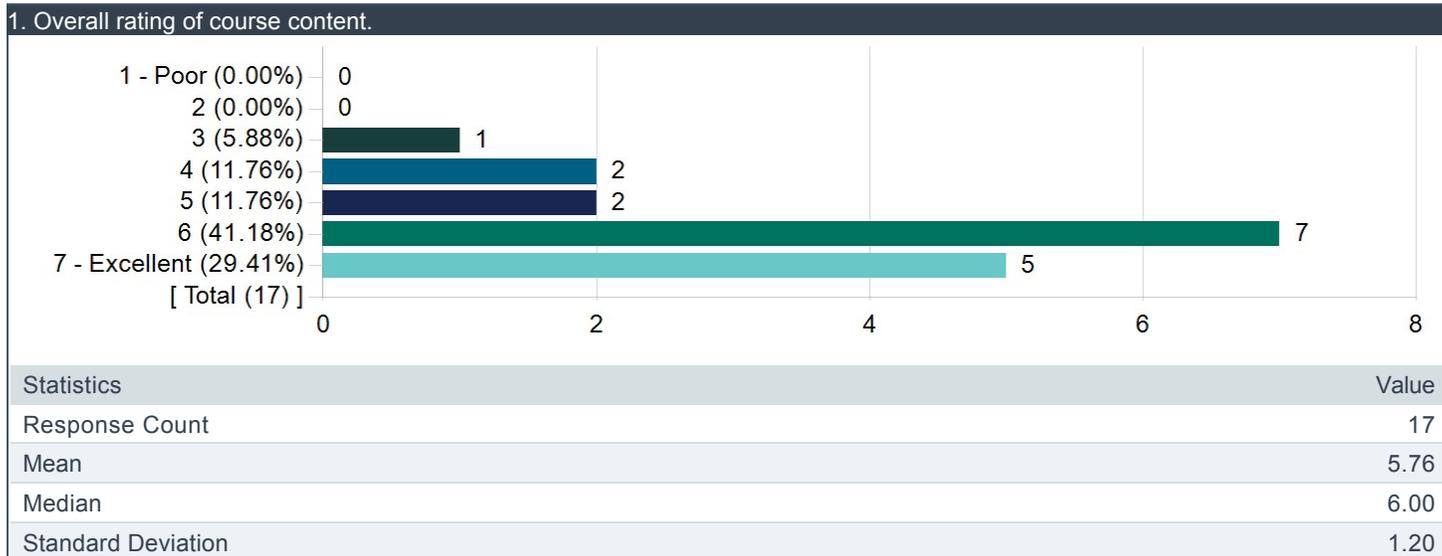


Please elaborate if you felt the material was not covered at a reasonable pace.

Comments
There was some material that was rushed through and not explained as well as was hoped for.
It was really advanced material from the start, i did not feel eased into this entirely new topic to any degree

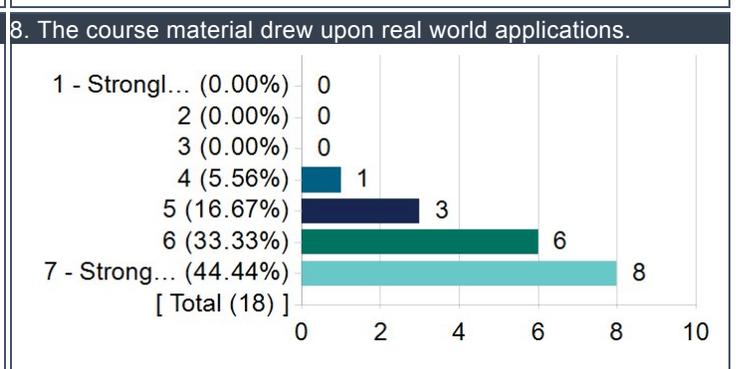
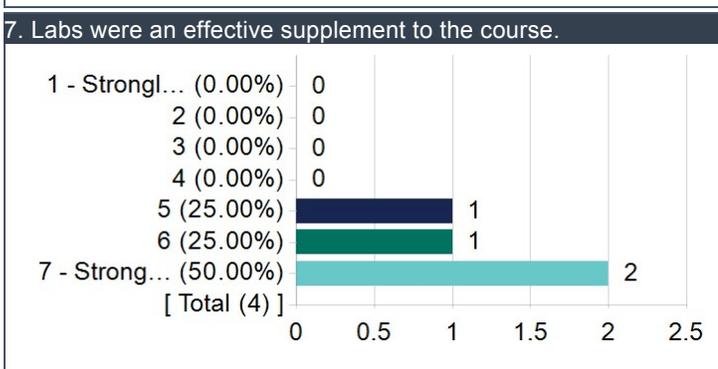
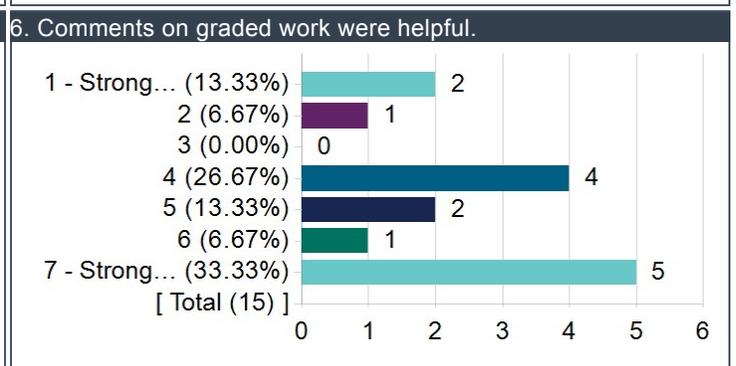
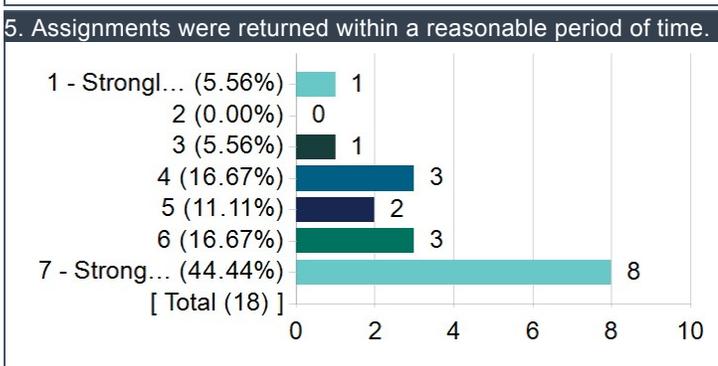
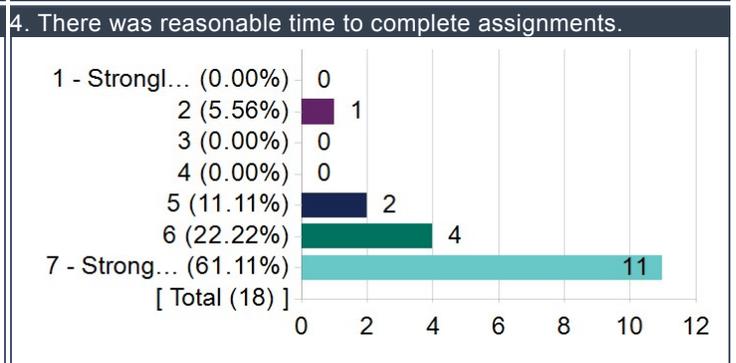
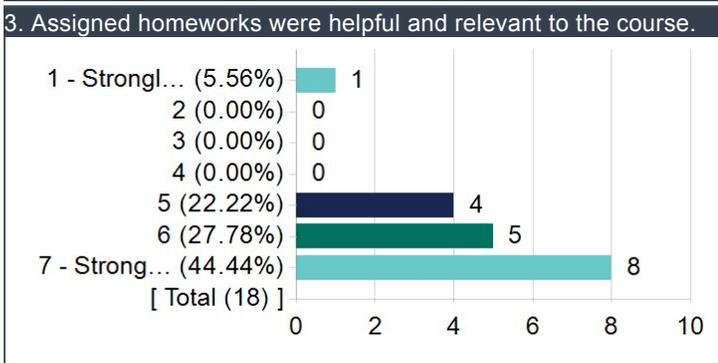
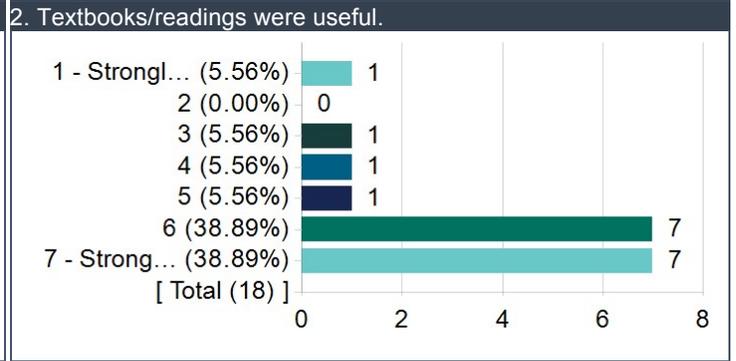
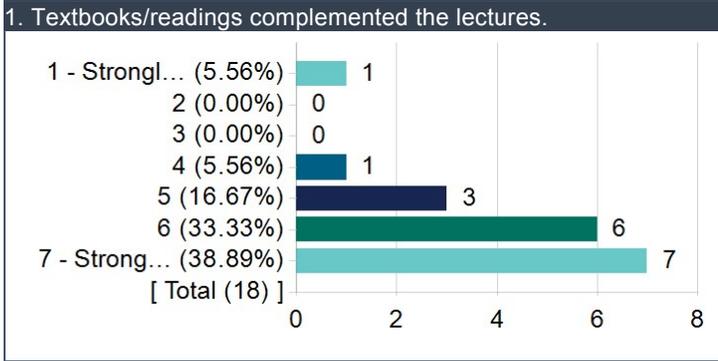
Course Materials and Assignments

Overall rating of course content.



Rating Scale Responses

Question	Response Count	Score		
		Mean	Standard Deviation	Median
Textbooks/readings complemented the lectures.	18	5.83	1.50	6.00
Textbooks/readings were useful.	18	5.78	1.63	6.00
Assigned homeworks were helpful and relevant to the course.	18	5.94	1.47	6.00
There was reasonable time to complete assignments.	18	6.28	1.27	7.00
Assignments were returned within a reasonable period of time.	18	5.56	1.76	6.00
Comments on graded work were helpful.	15	4.73	2.15	5.00
Labs were an effective supplement to the course.	4	6.25	0.96	6.50
The course material drew upon real world applications.	18	6.17	0.92	6.00



2. Textbooks/readings were useful.



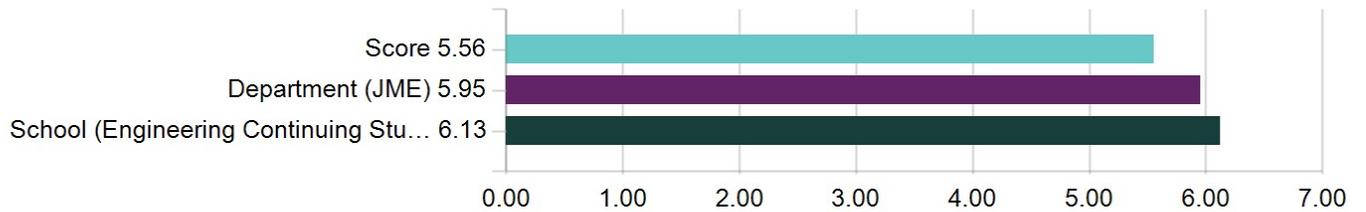
3. Assigned homeworks were helpful and relevant to the course.



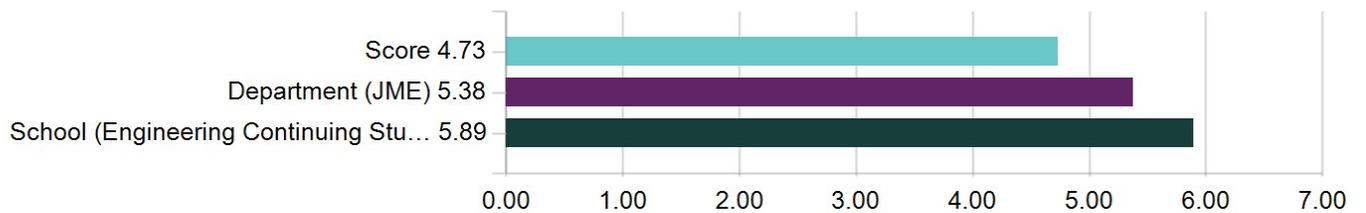
4. There was reasonable time to complete assignments.



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



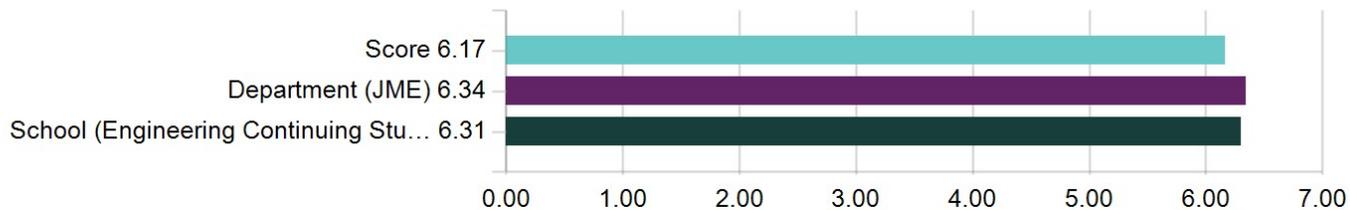
6. Comments on graded work were helpful.



7. Labs were an effective supplement to the course.



8. The course material drew upon real world applications.



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

Comments

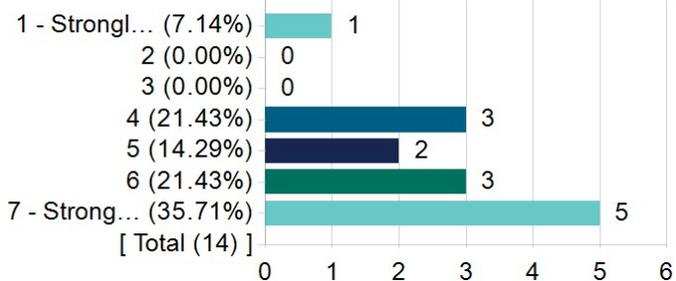
The book is unhelpful and hard to understand. He goes off his own notes so its even more unhelpful

TA and Recitation

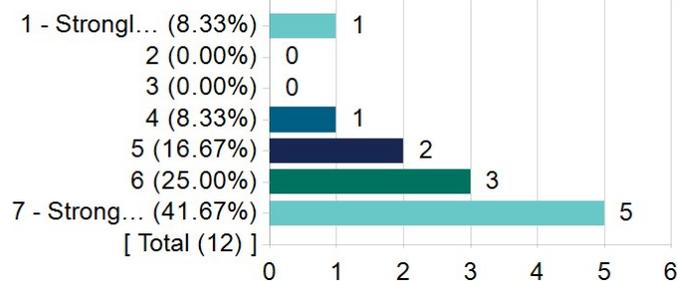
Rating Scale Responses

Question	Score			
	Response Count	Mean	Standard Deviation	Median
The assistant to the instructor was effective.	14	5.43	1.74	6.00
The assistant to the instructor was available and responsive to questions.	12	5.67	1.78	6.00
Recitation section served to enhance your understanding of the course material.	9	5.78	1.92	6.00

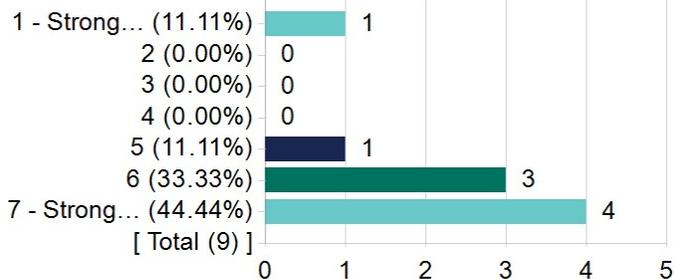
1. The assistant to the instructor was effective.



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 TA.

Comments

She's helpful and replies her email real fast. She understands the materials really well

She hardly answered emails and when she did the responses were unhelpful

She was timely in grading things but there were no comments as to why points were lost so it is difficult to know why we lost points especially if the answer was correct in the solution

Please comment on the effectiveness of the recitation section.

Comments

She only held help sessions once a week for 1 hr on a friday and i work every friday all day and there was no other option and i dont even think she ended up holding them at all

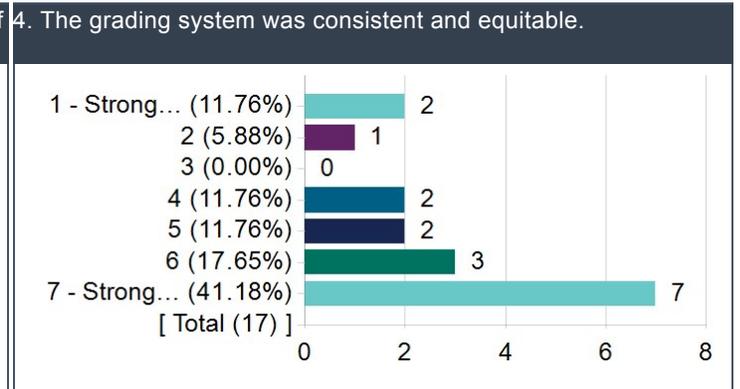
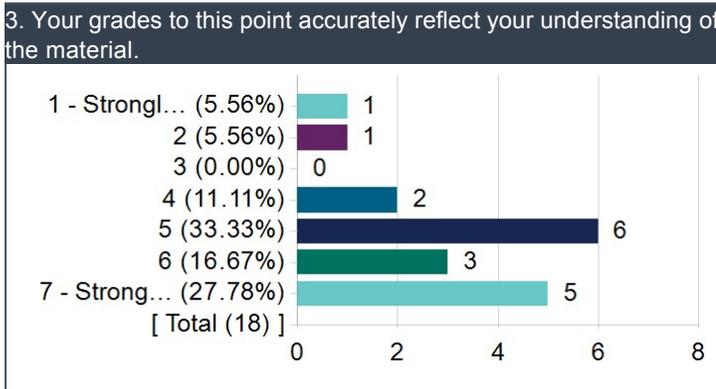
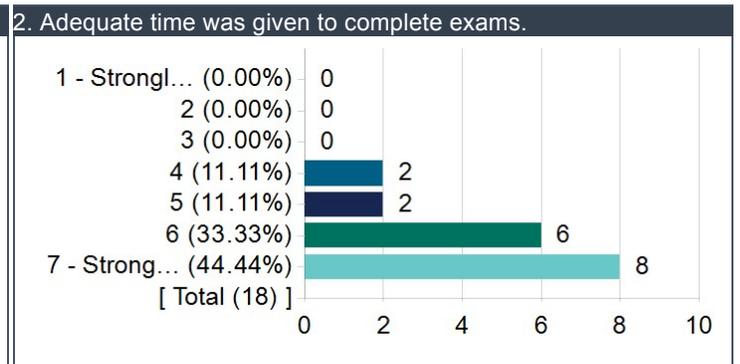
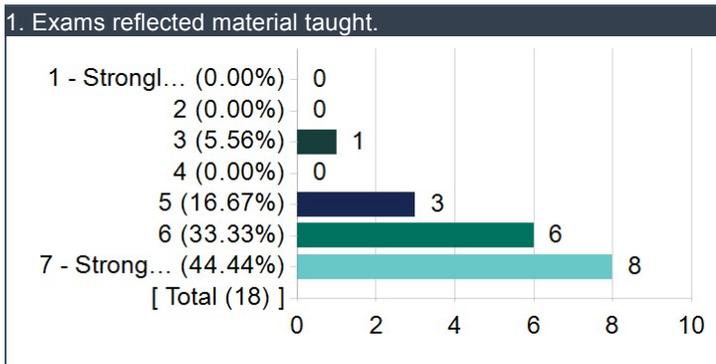
Exams and Grade

Expected grade for this course.

1. Expected grade for this course.		
Options	Count	Percentage
A	4	23.53%
B	5	29.41%
C	8	47.06%
D	0	0.00%
F	0	0.00%
P	0	0.00%

Rating Scale Responses

Question	Score			
	Response Count	Mean	Standard Deviation	Median
Exams reflected material taught.	18	6.11	1.08	6.00
Adequate time was given to complete exams.	18	6.11	1.02	6.00
Your grades to this point accurately reflect your understanding of the material.	18	5.22	1.70	5.00
The grading system was consistent and equitable.	17	5.24	2.14	6.00



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.



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

Comments

Even though actual averages were around 55–60 percent most of the class recieved 75–85 percent grades due to the curving of the overall grades.

The fact that he has not given us any idea on what the curve will be means I really have no idea what grade I will get. I get his reason behind doing it, but he is the only professor who doesn't even give a tiny idea on approximately what an "A" will be.

There's no defined grading scale

He curves your grade at the end of the course and he doesnt enter ANYTHING into canvas or his own website so you legitimately have no idea what your grade is until the end because he curves the entire course grade and he doesnt curve the midterm or tests.

can't say until grades are provided.

Overall

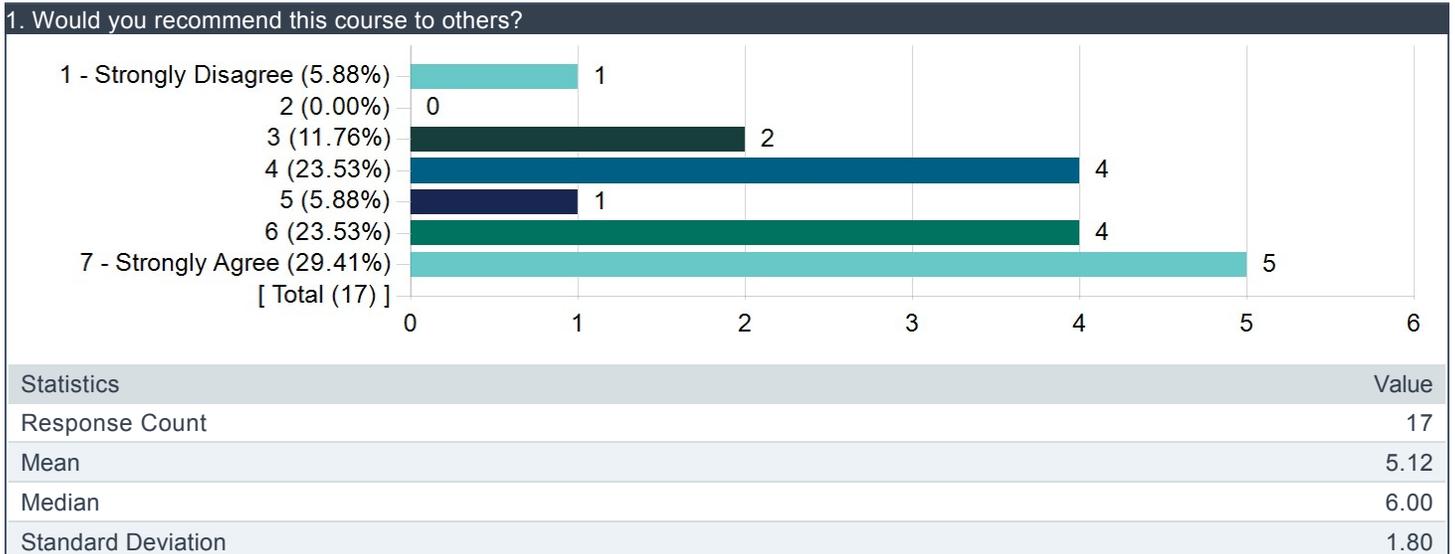
About how many hours per week did you spend on this course outside of class?

1. About how many hours per week did you spend on this course outside of class?		
Options	Count	Percentage
0	0	0.00%
1-3	3	17.65%
4-6	11	64.71%
7-9	1	5.88%
10-12	2	11.76%
13-15	0	0.00%
Over 15	0	0.00%

What percentage of the lectures did you attend?

1. 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%	1	5.88%
80%	5	29.41%
90%	5	29.41%
100%	6	35.29%

Would you recommend this course to others?



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

Comments
Extremely, contagiously sick for a couple of weeks
I attended lecture all the time due to the fact that missing one would put someone so far behind that catching up would nearly impossible.
lectures where very general and didn't help tremendously for doing the homework or understanding all of the content.
skipped lecture three times, i think. once to attend another lecture, once because of illness, and once because of work.

Comments

What did you like most about this course?

Comments
Very interesting topics
Professor is one of the most brilliant people I've ever met
Homework was hard but they are helpful
The instructor was knowledgeable
The classroom had comfortable chairs
It;s a new subject and the teacher is amazing
exposure to dimensional analysis. i wish i could learn more, but where does one go for that?
It was challenging and interesting.

How could this course improve?

Comments
A little slower
Explain the material better and work out more examples when the methods and equations are the most difficult
Give the students a better idea of what an A/B is in the course
More example problems that closely match the same format used throughout the homework and tests
make the course have a longer class period so the instructor has more time to actually show us everything we need. I felt like there wasn't enough class time for him to show us everything and it was rushed sort of.
Not be required for civil engineering majors
He could make the homeworks more relevant and align with test questions and lectures and put more energy and focus on the actual physics of the topic rather than deriving every equation we use with differential equations. doing this makes it extremely diffucult to think about the topic in a real world problem when all material is taught from a mathematical stance
Maybe be a bit slower at times
guided practice? is this and every other course based on a 19th century approach to teaching?
khan academy's model of guiding practice working problems is incredibly useful, and completely ignored by traditional universities. for what people pay, we should expect more.
i could write tent thousand words about how things should change, but would anyone even read it? i mean, i know that i'll have paid for one WUSTL semester by the time i have my degree, or i could have bought a brand new jeep. so much money. and khan academy is a not for profit organization. yet they have developed a means of allowing people to practice, without that practice counting against them. (i.e. practicing being homework, graded, the more mistakes, the worse the grade. it's asinine)
then of course, hearing all about some of my classmates using chegg to essentially cheat their asses off, yeah fuck that. how is that fair? i work everything myself, get a worse grade, spend more time, while probably learning more, but what difference does that make?
N/A

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

Comments
Very enthusiastic about fluids
He was enthusiastic and inclusive.
He is absolutely brilliant and loves to share his love for the content of the course
Passionate and enjoy his teaching
He did very well explaining the math and concepts.
Very intelligent
He is really smart but is unable to remember what it is like to be first learning fluid mechanics and therefore is unable to execute and foster understanding
He's super smart, friendly, and helpful
crocs.

How could Instructor **Michael Wendl** improve?

Comments
Slow down
Take a little more time to make sure that the material is explained thoroughly.
Stop wearing crocs. Although they do kind of make me love him more haha
He's great
He had a tendency to begin each lecture by just talking about something without explaining what topic it is where to find it in the book. Made it hard to follow along with the book or provided notes as you had to frantically search for the equations he was writing down before getting lost.
Use more numbers in the homework instead of having students solve in terms of variables
He could try to be consistent in the difficulty of the lectures and homework so it doesn't take online solutions, hours and hours of confusion and tutors to try and complete one problem
He's just fine the way he is
hw 13 was a double cross. posted late. lecture on last tuesday claimed it won't be due thursday. then lecture thursday, yeah it's due tonight.
why aren't all homework assignments made available at the beginning of the semester? this and other classes could but won't do this.

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

Comments
Interesting, except when discussing particles
BE PREPARED!!!
Pay attention in class
It's a great course you should take it
As it's taught, it's more a math class than a physics class. Lots of time was spent on integration and derivatives, albeit relevant to the course.
It's a pain
I would say that the lectures are extremely confusing, the homework is unbelievably challenging and you are giving close to nothing to succeed in the course
It's a hard class but Prof Wendl teaches it very well.
professor wendl does no grading. but he does answer questions. lecture will probably lag behind the homework.

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

Comments
No
no
No
no.
no
Everyone who can afford it uses online solutions to simply copy answers down for the homework which leaves people like me with less money to vie for tutors time and work around their schedule to try and struggle through the material with limited time
what do you mean by cheating? logging in to chegg to have people do your homework for you? then yes absolutely. meanwhile, i want to practice relevant problems, but who'll tell me if i did them right? who'll give hints?

Any additional comments?

Comments
university education really ought to evolve its means of instruction. it's the 21st century ffs.

Personalized Questions

Please comment on the relative difficulty of this course as compared to other "300"-level courses

Comments
A bit higher
One of the more difficult ones, but fair
It's average and on the right scale
Very difficult if you get behind or have or if you don't have a good grasp of calculus concepts.
this course was extremely difficult, if you actually want to understand the content and how to effectively do the problems you'll need a lot of outside class time
It seemed much more difficult than other "300" level courses
This course is way beyond the scope of 300 level difficulty in the way it is being taught now
It is hard
fair and reasonable
Moderately difficult

Please comment on whether the instructor effectively linked the physical phenomena discussed in the course to their engineering application

Comments
Yes he did
Definitely
yes
Not necessary but would be great to have
I think he did well. Most of the topics and problems solved were from real world applications.
yes, real types of examples where explained
Yes, he did
He did
Yes he did very much so
yes. prof. wendl was very good at pointing out instances where theory and practice overlap, physical interpretations of PDEs and whatnot.
He did.

Please comment on whether the instructor effectively used mathematical principles to explain physical phenomena discussed in the course

Comments
Yes he did
Yes
yes
Yes and he's awesome at that
It's all math. There's nothing but math in this class. I'm "mathed" out.
somewhat
Yes, lots of diff eq
He overused them and made the principles way more confusing as a result
yes, thoroughly
above. reynolds' transport theorem as an example. time rate of change of mass in the system + net flux*intrinsic property of the control volume. my understanding is somewhere in the 75–80% range.
He did.