

# WUSTL Course Evaluations

5/19/2011

**Title of Course:** FLUID MECHANICS

**Course:** T17 3700

**Section:** 01

**Semester:** Spring 2008

**Instructors:** Michael Wendl (Instructor)

**Completed Evaluations:** 9 of 37 (24%)

**Scoring Key**

**Bold** - Score

(S) - SEAS Average Score For the Template

(D) - Department's Average Score For the Template

(M) - Median Score For the Question

**Course Section Requirements:**

Number of Quizzes	n/a
Number of Examinations	n/a
Number of short papers (1-5pgs)	n/a
Number of long papers (6 +pgs)	n/a
Number of homework assignments	n/a
Number of individual projects	n/a
Number of group projects	n/a
Number of oral presentations	n/a
Was attendance required?	No
Was class participation required?	No
Were take home exams given?	No

## Engineering

Course Administration (Michael Wendl - Instructor)

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

(blank)	Yes	No
0 (0.00%)	9 (100.00%)	0 (0.00%)

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

(blank)	Yes	No	N/A
0 (0.00%)	9 (100.00%)	0 (0.00%)	0 (0.00%)

**6.78**

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

(S) 5.93 of 2874

(D) 5.65 of 48

(M) 7.00

(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	7 (77.78%)	0 (0.00%)

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

(blank)	Yes	No
0 (0.00%)	8 (88.89%)	1 (11.11%)



# WUSTL Course Evaluations

5/19/2011

<b>6.33</b>		<b>Instructor explained the course material so that you could understand it.</b>							
(S)	5.43 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D)	4.72 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	6 (66.67%)
(M)	7.00								

<b>6.44</b>		<b>Overall rating for teaching quality.</b>							
(S)	5.53 of 2874	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.16 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	6 (66.67%)
(M)	7.00								

Course Materials and Assignments (Michael Wendl - Instructor)
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<b>6.00</b>		<b>Textbooks/readings complemented the lectures.</b>								
(S)	5.41 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.33 of 48	0 (0.00%)	1 (11.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	6 (66.67%)	0 (0.00%)
(M)	7.00									

<b>6.00</b>		<b>Textbooks/readings were useful.</b>								
(S)	5.25 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.28 of 48	0 (0.00%)	1 (11.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	6 (66.67%)	0 (0.00%)
(M)	7.00									

<b>6.44</b>		<b>Assigned homeworks were helpful and relevant to the course.</b>								
(S)	5.93 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.80 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	6 (66.67%)	0 (0.00%)
(M)	7.00									

<b>6.78</b>		<b>There was reasonable time to complete assignments.</b>								
(S)	5.96 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.76 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	7 (77.78%)	0 (0.00%)
(M)	7.00									

<b>4.00</b>		<b>Assignments were returned within a reasonable period of time.</b>								
(S)	5.65 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	4.66 of 48	0 (0.00%)	0 (0.00%)	3 (33.33%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	1 (11.11%)	1 (11.11%)
(M)	5.00									



# WUSTL Course Evaluations

5/19/2011

## Exams and Grade (Michael Wendl - Instructor)

### 6.22 Exams reflected material taught.

(S) 5.81 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.68 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	4 (44.44%)	4 (44.44%)	0 (0.00%)
(M) 6.00									

### 6.33 Adequate time was given to complete exams.

(S) 5.71 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 4.84 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	4 (44.44%)	4 (44.44%)	0 (0.00%)
(M) 6.00									

### Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	4 (44.44%)	3 (33.33%)	2 (22.22%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

### 5.89 Your grades to this point accurately reflect your understanding of the material

(S) 5.46 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.07 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	1 (11.11%)	4 (44.44%)	3 (33.33%)
(M) 6.00								

### 5.67 The grading system was consistent and equitable.

(S) 5.65 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 4.69 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	0 (0.00%)	2 (22.22%)	0 (0.00%)	5 (55.56%)
(M) 6.00								

## Overall (Michael Wendl - Instructor)

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

(blank)	0	1-3	4-6	7-9	10-12	13-15	Over 15
0 (0.00%)	0 (0.00%)	2 (22.22%)	4 (44.44%)	3 (33.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(blank)	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	4 (44.44%)

# WUSTL Course Evaluations

5/19/2011

## 6.11 You would recommend this course to others.

(S) 5.26 of 2874	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 4.95 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	2 (22.22%)	1 (11.11%)	5 (55.56%)
(M) 6.50								

## 6.22 Overall satisfaction with the course.

(S) 5.29 of 2874	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.93 of 48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	5 (55.56%)
(M) 6.50								

### Course Administration (Michael Wendl - Instructor)

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

### Instructor (Michael Wendl - Instructor)

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

### Course Materials and Assignments (Michael Wendl - Instructor)

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

05 Wendl uses his own set of notes to teach from. He uses the book for extra reference. Not that that is a bad thing, but had I known, I wouldn't have spent the money on the book.

### TA and Recitation (Michael Wendl - Instructor)

Please comment on the effectiveness of the TA.

01 His TA took entirely too long to return graded homeworks.

08 At least from the perspective of a student, a TA did not exist. A grader existed. However, this format was sufficient.

Please comment on the effectiveness of the recitation section

### Exams and Grade (Michael Wendl - Instructor)

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

00 Grading curves go up and down so it just depends how you did compared to the class. If you score in the 70s it could be lower than a C.

05 The grader that was used for grading homework graded differently than Wendl. Our tests are graded by Wendl and he is a little more forgiving, bless his soul.

## Overall (Michael Wendl - Instructor)

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

- 00 The lectures are basically word for word from the online notes for the class. But it is nice to follow along so I don't spend time in class just trying to copy what's written on the board. It is easier to learn if the material is written for you.
- 01 This is my favorite class this semester, so if I'm going to skip class, it's not going to be this one. I find the material, and its presentation by Dr. Wendl, very interesting.
- 03 Instructor provided a very interesting lecture.
- 05 During the first half of the semester, St. Louis was bombarded by snow storms. Wash. U won't cancel classes for anything and I wasn't going to drive all the way there for just his class, so I didn't go.

## Comments (Michael Wendl - Instructor)

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

- 00 I like having online notes available to be printed so as to follow along and understand the material instead of trying to catch up copying from the board like other classes.
- 01 It has real world applications and gave us an understanding of the types of issues and concerns engineers deal with on a daily basis. It's fascinating to know the theory of why planes fly and why cars experience drag and what can be done to maximize efficiency.
- 03 The course content and the real life applications of the material. Book and instructor notes were very interesting. I have found myself reading additional material related to the class but not required because the course is that interesting. I am actually considering going to graduate school and taking more advanced graduate courses related to this subject.
- 08 Professor Wendl's excitement, proficiency, and teaching style. The online set of notes was an excellent way to follow the lecture and have the teacher's thoughts on paper. The homework assignments being collected in sets.

### What did you like the most about the professor/instructor?

- 01 He knew what he was talking about and made minimal mistakes. He never misspoke, sometimes just copied down his notes onto the board incorrectly. He was almost always available after class to answer questions, and encouraged us to answer questions during class.
- 03 Instructor is deeply concerned with students success. Instructor is always open for questions in or out of class. I look forward to taking Heat Transfer with Dr. Wendl.
- 05 He is very knowledgeable on this subject and he is very passionate when it comes to teaching it.
- 08 His obvious proficiency and interest in the material.

### How could this course improve?

- 01 Perhaps, we could make a couple visits to the wind tunnel or see some of these things in a controlled setting so we can see exactly what the theory suggests and gain a better grasp of the material
- 03 No improvements needed.
- 05 Remove all the derivations and tough calculus crap, and put in more applicable material. I'm going to school to be an engineer, not a mathematician.

### How could the professor/instructor improve?

- 00 A lot of time is spent going through the whole derivation process for an equation when all you need to know for homework and tests is just the equation itself. I would rather him do less time on theory and more time on useful examples that relate to homework and tests.
- 01 Avoid the long proofs unless it is essential we see the derivations. We spend a lot of time on theory and a little more should be spent on application and understanding its meaning.
- 03 No improvements needed.

# WUSTL Course Evaluations

5/19/2011

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05 He's very soft spoken which put me to sleep more then once. He could work on that.

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

01 I'd say that it has to do with physics and dynamics on a large scale, not of earthly proportions, but of a greater magnitude than particles.

03 This couse is very interesting at I would highly recommend taking the course.

05 It's tough.

08 This course is very interesting and has constant real-life applications.

## Any additional comments?

01 He was able to make a difficult course, one with some pretty dense material at times, interesting and fun. I looked forward to class most days and even enjoyed the homework on occasion.

06 Very organized, great teacher.