

# WUSTL Course Evaluations

5/31/2016

**Title of Course:** FLUID MECHANICS

**Course:** T17 3700

**Section:** 01

**Semester:** Spring 2016

**Instructors:** Michael Wendl (Instructor)

**Completed Evaluations:** 9 of 44 (20%)

**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) 6.11 of 5079

(D) 5.43 of 59

(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%)	9 (100.00%)	0 (0.00%)

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**6.33 The course matched the course catalog description.**

(S) 6.16 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.59 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	6 (66.67%)
(M) 7.00								

Instructor (Michael Wendl - Instructor)

**6.33 Instructor made the course interesting.**

(S) 5.39 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.33 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	5 (55.56%)
(M) 7.00								

**6.89 Instructor was enthusiastic about the course.**

(S) 5.94 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.07 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	8 (88.89%)
(M) 7.00								

**6.56 The material was covered at a reasonable pace.**

(S) 5.75 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.13 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (44.44%)	5 (55.56%)
(M) 7.00								

**6.22 Instructor was available to answer questions (through office hours, email, etc.).**

(S) 6.05 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.48 of 59	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) 7.00								

**6.78 Instructor was well-organized and prepared for class.**

(S) 5.96 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.37 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	7 (77.78%)
(M) 7.00								





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## Exams and Grade (Michael Wendl - Instructor)

<b>6.56 Exams reflected material taught.</b>		(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(S)	5.91 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.85 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	2 (22.22%)	6 (66.67%)	0 (0.00%)
(M)	7.00									

<b>5.56 Adequate time was given to complete exams.</b>		(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(S)	5.92 of 5079	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.88 of 59	0 (0.00%)	1 (11.11%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (33.33%)	1 (11.11%)	4 (44.44%)	0 (0.00%)
(M)	6.00									

### Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	5 (55.56%)	2 (22.22%)	2 (22.22%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(S)	(D)	(M)	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
5.66 of 5079	5.37 of 59	6.00	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
			0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	2 (22.22%)	2 (22.22%)	4 (44.44%)

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

(S)	(D)	(M)	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
5.85 of 5079	5.16 of 59	7.00	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
			0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	6 (66.67%)

## Overall (NOT Instructor Specific)

### 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%)	1 (11.11%)	4 (44.44%)	2 (22.22%)	1 (11.11%)	1 (11.11%)	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%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (55.56%)	4 (44.44%)

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## 6.33 You would recommend this course to others.

(S) 5.55 of 5078	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 4.83 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	5 (55.56%)
(M) 7.00								

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## 6.22 Overall satisfaction with the course.

(S) 5.53 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.91 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (33.33%)	1 (11.11%)	5 (55.56%)
(M) 7.00								

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## 6.33 The course enhanced your ability to apply knowledge of mathematics, science, and engineering.

(S) 5.77 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.52 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	5 (55.56%)
(M) 7.00								

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## 6.11 The course enhanced your ability to design and conduct experiments and to analyze and interpret data.

(S) 5.32 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.27 of 59	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) 7.00								

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## 5.67 The course enhanced your ability to design a system, component, or process to meet desired needs.

(S) 5.51 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.00 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	1 (11.11%)	4 (44.44%)
(M) 6.00								

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## 5.56 The course enhanced your ability to function on multidisciplinary teams.

(S) 5.16 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.96 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	3 (33.33%)	0 (0.00%)	4 (44.44%)
(M) 5.00								

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## 6.22 The course enhanced your ability to identify, formulate, and solve engineering problems.

(S) 5.63 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.37 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (33.33%)	1 (11.11%)	5 (55.56%)
(M) 7.00								

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## 5.78 The course enhanced your ability to understand professional and ethical responsibility.

(S) 4.94 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.96 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	0 (0.00%)	5 (55.56%)
(M) 7.00								

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5.44		The course enhanced your ability to communicate effectively.							
(S)	5.15 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	4.93 of 59	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	1 (11.11%)	3 (33.33%)	0 (0.00%)	4 (44.44%)
(M)	5.00								

5.78		The course enhanced your ability to understand the impact of engineering in a global and societal context.							
(S)	5.02 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	4.98 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	1 (11.11%)	4 (44.44%)
(M)	6.00								

6.22		The course enhanced your ability to recognize the need for and to engage in life-long learning.							
(S)	5.34 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.45 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	0 (0.00%)	1 (11.11%)	6 (66.67%)
(M)	7.00								

5.44		The course enhanced your ability to understand contemporary social issues.							
(S)	4.50 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	4.43 of 59	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	2 (22.22%)	2 (22.22%)	0 (0.00%)	4 (44.44%)
(M)	5.00								

6.44		The course enhanced your ability to use the techniques, skills and modern engineering tools necessary for engineering practice.							
(S)	5.70 of 5078	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.43 of 59	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 Administration (Michael Wendl - Instructor)

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

06 This course is taught as a very theoretical class. I expected a less theoretical class, one that is more geared towards engineering. However, Professor Wendl told us in the very first class that he teaches it as a theory class so that we understand the mathematic theory behind the formulas and concepts.

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.

06 I preferred the standard textbook to the printed out material made especially for this class.

## TA and Recitation (Michael Wendl - Instructor)

### Please comment on the effectiveness of the TA.

- 04 The TA was very helpful. He didn't just hand you the answer, he led your thinking in the right direction, so you could arrive at the correct answer AND learn how to problem solve at the same time. I'm really grateful that he was the TA for this class.
- 06 I did not attend any help sessions from the TA

### 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.

## Overall

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

- 01 work, and sick
- 08 Missed a few lectures due to other conflicts outside of school, mostly work related.

## Comments (Michael Wendl - Instructor)

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

- 03 The professor
- 04 I liked that the class was very interactive. He asked us questions a lot and made us think about things during class, instead of just standing there and talking for an hour and a half. I learn best in classrooms like this and I feel lucky to have been able to take this class.
- 05 The instructor was excellent.
- 06 The fields of fluids has applicability in many aspects of everyday life.
- 08 It really starts to open up the world of how things interact on a "very small" scale. It gave me a better understanding of how certain things in the world work and why they are engineered a certain way.

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

- 03 I think out of all the teachers/professors I've ever had, he had the most knowledge, or best understanding, of the subject they were teaching. He was able to answer any question without issue or looking anything up. He could always explain why the answer was the what it was too.
- 04 Professor Wendl is very enthusiastic and it makes the class more interesting. I had heard (from people at other schools) that fluids is very boring and difficult, but I thought this class was really interesting, and it became my favorite class. I think my positive experience in this class was 100% due to Professor Wendl being a really great teacher.
- 05 He is very smart and communicates well
- 06 Professor Wendl is very knowledgeable and willing to answer questions. He makes sure that every lecture he asks if there are any questions, and he wants the students to understand.
- 07 Very respectful and helpful.
- 08 He was very enthusiastic, would patiently and thoroughly answer any question, he didn't mind digressing for our edification, he was extremely knowledgeable, and he kept the class paced so that we followed the syllabus EXACTLY. We always knew what to expect and when.

**How could this course improve?**

- 04 I liked how the homework was due in packets, but that meant there was a really long gap between when you completed the beginning of the packet and when the homework was returned, so I didn't know if I was doing everything correctly or not. Unfortunately, I don't have any suggestions on how to get quicker feedback, because he obviously couldn't return some students' homework before other students have even turned in their homework.
- 05 n/a
- 06 I would prefer more homework from the textbook, and less abstract homework.
- 08 Nothing I can think of at the moment.

**How could the professor/instructor improve?**

- 05 n/a
- 06 N/A
- 08 Nothing I can think of. I thought he was excellent.

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

- 04 It's so awesome. You have to keep up with the homework, though, because if you wait too long, it is overwhelming.
- 05 The course description is accurate and it's not as hard as it sounds.
- 06 Professor Wendl is very enthusiastic and knowledgeable about the subject of fluids; he is very willing to answer students questions.
- 08 Class is entertaining and enlightening. The professor literally wrote the book that he teaches from and knows it practically by heart. The material is relevant and follows what he lays out in the syllabus exactly.

**Have you observed any violations of academic integrity (e.g., cheating) in this course? If so, do NOT list the names of student(s) involved; only describe the violation that you observed.**

- 05 n/a
- 06 No
- 08 No

**Any additional comments?**

- 08 Excellent teacher, excellent course.

Classroom Environment

Please rate how well the instructor promoted an inclusive learning environment with regard to the diversity of student personal backgrounds and identities. Please enter just the number on a scale of 1 to 7 where 1 is extremely negative and 7 is extremely positive.

- 02 7
- 04 7
- 05 7
- 06 7
- 07 7
- 08 7

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

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- 04 He encouraged class participation and didn't make you feel badly if you answered questions incorrectly. If you did answer a question incorrectly, he would help guide you in the right direction. So instead of hearing "no, you're wrong", he would show you a small example that lead you to see why your answer was wrong and how you could arrive at the correct answer.
- Sometimes people asked questions about things that had been discussed a lot (maybe they had skipped a lot? I don't know), and Professor Wendl would answer their questions eagerly. If I was a teacher, I think I would probably be really annoyed, but Professor Wendl was super nice all of the time.
- 06 Professor Wendl asks every lecture if students have questions; he answers all students' questions respectfully and patiently.
- 08 I noticed absolutely zero signs of discrimination and noticed an overall call to everyone for class involvement.