

# WUSTL Course Evaluations

6/6/2013

**Title of Course:** FLUID MECHANICS

**Course:** T17 3700

**Section:** 01

**Semester:** Spring 2013

**Instructors:** Michael Wendl (Instructor)

**Completed Evaluations:** 15 of 52 (29%)

**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%)	15 (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%)	15 (100.00%)	0 (0.00%)	0 (0.00%)

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

(S) 6.07 of 3119

(D) 5.95 of 63

(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%)	5 (33.33%)	10 (66.67%)	0 (0.00%)

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

(blank)	Yes	No
0 (0.00%)	15 (100.00%)	0 (0.00%)











# WUSTL Course Evaluations

6/6/2013

<b>5.38</b>		<b>The course enhanced your ability to communicate effectively.</b>							
(S)	5.00 of 3119	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.45 of 63	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (20.00%)	0 (0.00%)	3 (20.00%)	3 (20.00%)	4 (26.67%)
(M)	6.00								

<b>5.71</b>		<b>The course enhanced your ability to understand the impact of engineering in a global and societal context.</b>							
(S)	4.83 of 3119	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.53 of 63	0 (0.00%)	1 (6.67%)	0 (0.00%)	0 (0.00%)	1 (6.67%)	3 (20.00%)	3 (20.00%)	6 (40.00%)
(M)	6.00								

<b>5.64</b>		<b>The course enhanced your ability to recognize the need for and to engage in life-long learning.</b>							
(S)	5.12 of 3119	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.75 of 63	0 (0.00%)	1 (6.67%)	0 (0.00%)	0 (0.00%)	1 (6.67%)	4 (26.67%)	2 (13.33%)	6 (40.00%)
(M)	6.00								

<b>4.54</b>		<b>The course enhanced your ability to understand contemporary social issues.</b>							
(S)	4.34 of 3119	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	4.70 of 63	0 (0.00%)	2 (13.33%)	0 (0.00%)	0 (0.00%)	4 (26.67%)	4 (26.67%)	0 (0.00%)	3 (20.00%)
(M)	5.00								

<b>5.93</b>		<b>The course enhanced your ability to use the techniques, skills and modern engineering tools necessary for engineering practice.</b>							
(S)	5.54 of 3119	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.97 of 63	0 (0.00%)	1 (6.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (20.00%)	3 (20.00%)	7 (46.67%)
(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.

- 01 He spent too much time giving extended, excessive answers to questions with simple, straightforward answer. Example: Student asks "Why is the velocity in the radial direction of the pipe 0 at the radius of the pipe" short answer "because the pipe wall exists" teachers version: 10 minute rant about leaky pipes. Class could be done effectively in 4 weeks, giving time for real examples, more content, or merging it with heat transfer.
- 09 We covered a lot of material really fast. Didn't help that we had a snow day so not really the instructors fault.
- 10 Sometimes he would spend too much time on a derivation, long after most people had last track of what was going on.

Course Materials and Assignments (Michael Wendl - Instructor)

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

- 13 The text book itself was okay, however lots of the example problems weren't clear on why they were dropping terms and leaving others. However the class notes provided extremely helpful in understanding the course.
- 14 The supplemental class notes were nearly word for word if not topic for topic of what the book provided but it is not do much more than that. It would have been helpful for a layman's style reading to help clarify the concepts in an understandable phrasing that could be expected from supplemental notes

TA and Recitation (Michael Wendl - Instructor)

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

- 02 I think there were two graders. I only met one of them, and he was usually open to questions and a nice guy.
- 04 Michael Wendl is probably the best and most effective teacher I have ever had. He not only presents the material well, but it shows he has analyzed the material and refined his method of instruction so well that he knows where students will get stuck and has numerous ways of explaining, in detail, so that we understand. No one hesitates in his class to ask questions either. That is the first time I have witnessed this phenomenon at this school. In most large classes, students simply won't speak up when they don't understand because they either don't want to look like they are the only one who doesn't get it or they don't want to hold up the entire class for just their question. That doesn't happen in Wendl's class.
- 13 By the end of the semester some of my homework was not returned.
- 14 Just a grader

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

- 04 Michael Wendl's recitation of the material is first class. I have had many classes where the instructor only has one way of explaining the material and if you don't understand something, they will just repeat it exactly the same way they did when you didn't understand. Not very helpful. Wendl always respond to questions quickly and in new and more insightful ways. If he taught all of my classes I believe I could obtain any degree I wished.
- 14 There were no recitation sections, just in-class lectures

Exams and Grade (Michael Wendl - Instructor)

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

- 01 As good as any college grading system.
- 04 The fact that Wendl grades by standard deviation illustrates that he understands how students learn as well as how the presentation of material can vary form term to term and class to class. To be graded against your peers is so much more accurate than to be graded against some arbitrary standard set by an instructor who has used this material for 20 - 30 years and may not be in touch with just how green their students are in the engineering fields.
- 12 You tried to explain how this works, but I have no idea.
- 14 It will be based on a curve. There is a disclaimer in his syllabus

Overall

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

- 04 work conflict
- 14 Work conflicts

Comments (Michael Wendl - Instructor)

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

- 00 flexibility
- 01 The breadth and depth of content.



- 02 The material was interesting and applicable.
- 03 Homeworks were VERY beneficial
- 04 the instructor
- 07 instructor
- 09 Interesting subject matter
- 11 Could see real-world applications for almost every lecture.
- 13 While the material at times is complex and confusing, it is outlined in a way that is logical. For example when equations are derived on the board, there is a picture of visually whats happening as well as all of the assumptions to reach the end product, instead of here is your formula just plug in some numbers.

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

- 00 flexibility
- 01 His clear tone and explanations
- 02 Professor Wendl knows the material very well and allows time for questions regularly.
- 03 willing to help with any questions that we had
- 04 The best teaching method I have encountered so far.
- 05 Great Professor
- 07 very knowledgeable/passionate about topic, and is able to communicate in a useful manner that is easy to understand
- 08 Michael Wendl was very insightful and his teaching style engaged me.
- 09 Really knows the subject material.
- 11 Professor Wendl was always very prepared and took time to answer everyone's questions.
- 13 By far the best teacher I have had in the program, If something is unclear he takes the time to make sure that if your interested, you understand the material. As well as helping in understanding his course, the approach to learning the material, understanding what is actually going on has helped me in many of my other courses.

**How could this course improve?**

- 01 He could answer questions in a more simple, direct fashion.
- 04 It would be nice if it was help closer to the other engineering buildings, i.e. lopata, urbauer, rudolph...
- 09 Working on more expamples out of the text book wouldn't hurt maybe some of the Chapter problems at the end of the book.
- 10 His advise was useful, but he was almost never available outside of class; he always showed up right as it started and had to leave for another class literally minutes later.
- 11 I would like to see the homework due weekly. I am one to put things off at times, but if there were a hard due-date, this would be better for me.

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

- 01 He could stop hating english standard units. Although Metric may have been modernly formulated and accurate, it is by no means inherently superior, both present ways of understanding values and doing the math, they have interesting histories and there is absolutely no call for his bizarre and pretentious feelings on systems of units.
- 11 Nothing. Much better than most professors thus far.

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

- 01 I hope nobody in your class asks stupid questions, or mentions english units.
- 02 If you like math and derivations, go for it.
- 03 Do the homework and attend classes and pay attention and you'll do fine
- 04 definitely look for this instructor
- 07 Go to class, write down the examples, if you have a question ask it, and you'll do well.
- 09 Takes some work to get through but the instructor works through examples in the class that help you tackle the homework assignmnets.

# WUSTL Course Evaluations

6/6/2013

---

11 That it is fast paced and to keep up with the homework and participate in the lectures.

**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.**

01 I haven't seen any, but I don't get around those circles.

02 No.

03 no

04 none

07 no

11 No.

**Any additional comments?**

01 Seriously, I appreciate a lot of the course, and I LOVE the material, but it wouldn't kill you to be less pretentious.

07 One of the better courses I've taken in the Joint Program, looking forward to Heat Transfer.