

# WUSTL Course Evaluations

5/19/2011

**Title of Course:** FLUID MECHANICS

**Course:** T17 3700

**Section:** 01

**Semester:** Spring 2009

**Instructors:** Michael Wendl (Instructor)

**Completed Evaluations:** 11 of 36 (31%)

**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%) | 11 (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%) | 11 (100.00%) | 0 (0.00%) | 0 (0.00%) |

**6.45**

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

(S) 5.99 of 2320

(D) 6.03 of 37

(M) 6.00

|           |                       |           |           |           |           |            |                    |           |
|-----------|-----------------------|-----------|-----------|-----------|-----------|------------|--------------------|-----------|
| (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%) | 6 (54.55%) | 5 (45.45%)         | 0 (0.00%) |

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

|           |              |           |
|-----------|--------------|-----------|
| (blank)   | Yes          | No        |
| 0 (0.00%) | 11 (100.00%) | 0 (0.00%) |

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

|                  |           |                       |           |           |           |           |            |                    |
|------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|------------|--------------------|
| (S) 6.08 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5         | 6          | 7 - Strongly Agree |
| (D) 6.22 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 4 (36.36%) | 5 (45.45%)         |
| (M) 6.50         |           |                       |           |           |           |           |            |                    |

Instructor (Michael Wendl - Instructor)

**5.55 Instructor made the course interesting.**

|                  |           |                       |           |           |            |            |           |                    |
|------------------|-----------|-----------------------|-----------|-----------|------------|------------|-----------|--------------------|
| (S) 5.29 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4          | 5          | 6         | 7 - Strongly Agree |
| (D) 5.29 of 37   | 0 (0.00%) | 0 (0.00%)             | 1 (9.09%) | 0 (0.00%) | 2 (18.18%) | 2 (18.18%) | 1 (9.09%) | 5 (45.45%)         |
| (M) 6.00         |           |                       |           |           |            |            |           |                    |

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

|                  |           |                       |           |           |           |           |           |                    |
|------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|-----------|--------------------|
| (S) 5.96 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5         | 6         | 7 - Strongly Agree |
| (D) 6.06 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 0 (0.00%) | 10 (90.91%)        |
| (M) 7.00         |           |                       |           |           |           |           |           |                    |

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

|                  |           |                       |           |           |           |            |            |                    |
|------------------|-----------|-----------------------|-----------|-----------|-----------|------------|------------|--------------------|
| (S) 5.62 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5          | 6          | 7 - Strongly Agree |
| (D) 6.15 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 3 (27.27%) | 2 (18.18%) | 6 (54.55%)         |
| (M) 7.00         |           |                       |           |           |           |            |            |                    |

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

|                  |           |                       |           |           |            |           |            |                    |
|------------------|-----------|-----------------------|-----------|-----------|------------|-----------|------------|--------------------|
| (S) 5.85 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4          | 5         | 6          | 7 - Strongly Agree |
| (D) 5.91 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 2 (18.18%) | 1 (9.09%) | 3 (27.27%) | 4 (36.36%)         |
| (M) 6.00         |           |                       |           |           |            |           |            |                    |

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

|                  |           |                       |           |           |           |           |           |                    |
|------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|-----------|--------------------|
| (S) 5.89 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5         | 6         | 7 - Strongly Agree |
| (D) 6.44 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 0 (0.00%) | 10 (90.91%)        |
| (M) 7.00         |           |                       |           |           |           |           |           |                    |





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## Exams and Grade (Michael Wendl - Instructor)

### 6.45 Exams reflected material taught.

|                  |           |                       |           |           |           |           |            |                    |           |
|------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|------------|--------------------|-----------|
| (S) 5.76 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5         | 6          | 7 - Strongly Agree | N/A       |
| (D) 6.36 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 4 (36.36%) | 6 (54.55%)         | 0 (0.00%) |
| (M) 7.00         |           |                       |           |           |           |           |            |                    |           |

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

|                  |           |                       |           |           |           |           |            |                    |           |
|------------------|-----------|-----------------------|-----------|-----------|-----------|-----------|------------|--------------------|-----------|
| (S) 5.68 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5         | 6          | 7 - Strongly Agree | N/A       |
| (D) 6.00 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 1 (9.09%) | 5 (45.45%) | 4 (36.36%)         | 0 (0.00%) |
| (M) 6.00         |           |                       |           |           |           |           |            |                    |           |

### Expected grade for this course.

|           |            |            |            |           |           |           |
|-----------|------------|------------|------------|-----------|-----------|-----------|
| (blank)   | A          | B          | C          | D         | F         | P         |
| 0 (0.00%) | 2 (18.18%) | 6 (54.55%) | 3 (27.27%) | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) |

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

|                  |           |                       |           |           |            |            |            |                    |
|------------------|-----------|-----------------------|-----------|-----------|------------|------------|------------|--------------------|
| (S) 5.44 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4          | 5          | 6          | 7 - Strongly Agree |
| (D) 5.52 of 37   | 0 (0.00%) | 1 (9.09%)             | 0 (0.00%) | 0 (0.00%) | 2 (18.18%) | 5 (45.45%) | 2 (18.18%) | 1 (9.09%)          |
| (M) 5.00         |           |                       |           |           |            |            |            |                    |

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

|                  |           |                       |           |           |           |            |            |                    |
|------------------|-----------|-----------------------|-----------|-----------|-----------|------------|------------|--------------------|
| (S) 5.67 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5          | 6          | 7 - Strongly Agree |
| (D) 6.06 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 2 (18.18%) | 7 (63.64%) | 2 (18.18%)         |
| (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 (18.18%) | 4 (36.36%) | 3 (27.27%) | 1 (9.09%) | 1 (9.09%) | 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%) | 3 (27.27%) | 1 (9.09%) | 1 (9.09%) | 5 (45.45%) |

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## 5.91 You would recommend this course to others.

| (S) 5.27 of 2320 | (blank)   | 1 - Strongly Disagree | 2         | 3         | 4         | 5          | 6         | 7 - Strongly Agree |
|------------------|-----------|-----------------------|-----------|-----------|-----------|------------|-----------|--------------------|
| (D) 5.62 of 37   | 0 (0.00%) | 0 (0.00%)             | 0 (0.00%) | 0 (0.00%) | 1 (9.09%) | 4 (36.36%) | 1 (9.09%) | 5 (45.45%)         |
| (M) 6.00         |           |                       |           |           |           |            |           |                    |

## 5.73 Overall satisfaction with the course.

| (S) 5.31 of 2320 | (blank)   | 1 - Poor  | 2         | 3         | 4          | 5          | 6         | 7 - Excellent |
|------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|---------------|
| (D) 5.71 of 37   | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 2 (18.18%) | 4 (36.36%) | 0 (0.00%) | 5 (45.45%)    |
| (M) 5.00         |           |           |           |           |            |            |           |               |

### 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.

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

Please comment on the effectiveness of the TA.

07 TA took way to long to grade hw and pass back.

Please comment on the effectiveness of the recitation section

00 Teaching only theory does not help me understand a subject, and that is all that was taught in this course. It was more of a math course than an engineering course.

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

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

### Overall (Michael Wendl - Instructor)

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

01 Unfortunately, I have some medical and pain problems that prevent me from attending as many classes as I'd want to.

06 I found it hard to come to lecture at times when I knew we would derive a formula the entire class period.

Comments (Michael Wendl - Instructor)

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

- 01 The course material is quite interesting.
- 04 I felt like the professor had an incredible knowledge and understanding of the subject, which made it very easy to pay attention and take in all his teachings.
- 05 Instructor was enthusiastic, and his notes were followed and available so you did not have to spend time writing in class, you could listen to his explanations, and make appropriate notes, this was very helpful.
- 06 Instructor had his own textbook to follow along to.
- 07 enthusiastic teacher with massive amounts of knowledge on the subject. he definitely knew what he was doing.

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

- 00 He was enthusiastic about his course and tried his best to make sure everyone understood the material. He is a good teacher, but I just did not like the course.
- 01 Professor Wendl is incredibly thorough in explanation and theory as well as mathematical proofs explain theory.
- 04 I think he did a great job at bringing all the information down to the proper level to teach us.
- 05 He would listen to you
- 06 I instructors enthusiasm for fluid mechanics.
- 07 see above

### How could this course improve?

- 00 This did not seem like a very practical course, but rather more of a math course. Spending most of class trying derive equations isn't very useful to me either. More time should be spent explaining what the concepts really mean and how someone could use them in real life.
- 01 The only thing to improve this course would be to add more real-world applications, especially near the end of the course. As an engineering student my end concern is with real world application and much of the class was so abstract, the big picture was lost.
- 06 More examples and less derivation.
- 07 use less theory. this makes student bored much faster and we stop paying attention. make class examples that are more useful to real world.

### How could the professor/instructor improve?

- 01 He should include more real world examples and analogies to his notes. Office hours and a more reliable email should also be available. I intentionally didn't contact Professor Wendl because his email was explained to be spam proof and he might not receive it.
- 07 make class more interesting

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

- 01 This course is an intensive introduction into the theory and science of fluid mechanics with a small portion of applications needed to be expanded upon.
- 04 I would tell them that it has been my favorite class taken thus far. The information just grabs on to my attention and won't it go. I never looked at the clock during class because I was so enthralled in the lecture.
- 05 Know your math
- 06 It's challenging.
- 07 great teacher, boring class

### Any additional comments?

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- 
- 00 My biggest problem with this course was my lack of interest in fluids. Therefore, I had a bias in seeing the usefulness of the course.
  - 04 I really enjoyed this class, don't change a thing.