

WUSTL Course Evaluations

5/21/2015

Title of Course: FLUID MECHANICS

Course: T17 3700

Section: 01

Semester: Spring 2015

Instructors: Michael Wendl (Instructor)

Completed Evaluations: 13 of 50 (26%)

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%)	13 (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%)	13 (100.00%)	0 (0.00%)	0 (0.00%)

6.92

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

(S) 6.20 of 4821

(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%)	1 (7.69%)	12 (92.31%)	0 (0.00%)

(D) 6.18 of 66

(M) 7.00

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

(blank)	Yes	No
0 (0.00%)	13 (100.00%)	0 (0.00%)

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6.69		Instructor explained the course material so that you could understand it.							
(S)	5.78 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D)	5.82 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	10 (76.92%)
(M)	7.00								

6.69		Overall rating for teaching quality.							
(S)	5.83 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.71 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	10 (76.92%)
(M)	7.00								

Course Materials and Assignments (Michael Wendl - Instructor)

5.85		Textbooks/readings complemented the lectures.								
(S)	5.78 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.92 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	8 (61.54%)	0 (0.00%)
(M)	7.00									

5.77		Textbooks/readings were useful.								
(S)	5.58 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.92 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	2 (15.38%)	7 (53.85%)	0 (0.00%)
(M)	7.00									

6.77		Assigned homeworks were helpful and relevant to the course.								
(S)	6.11 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.24 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	11 (84.62%)	0 (0.00%)
(M)	7.00									

6.85		There was reasonable time to complete assignments.								
(S)	6.15 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.96 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	12 (92.31%)	0 (0.00%)
(M)	7.00									

6.23		Assignments were returned within a reasonable period of time.								
(S)	5.72 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	5.65 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	5 (38.46%)	6 (46.15%)	0 (0.00%)
(M)	6.00									

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Exams and Grade (Michael Wendl - Instructor)

6.77 Exams reflected material taught.

(S) 6.08 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.95 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (23.08%)	10 (76.92%)	0 (0.00%)
(M) 7.00									

6.38 Adequate time was given to complete exams.

(S) 5.99 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.64 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (15.38%)	4 (30.77%)	7 (53.85%)	0 (0.00%)
(M) 7.00									

Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	6 (46.15%)	7 (53.85%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(S) 5.66 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.82 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	6 (46.15%)	5 (38.46%)
(M) 6.00								

6.54 The grading system was consistent and equitable.

(S) 5.89 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.67 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	4 (30.77%)	8 (61.54%)
(M) 7.00								

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 (7.69%)	5 (38.46%)	6 (46.15%)	1 (7.69%)	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 (7.69%)	0 (0.00%)	0 (0.00%)	4 (30.77%)	8 (61.54%)

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6.54 You would recommend this course to others.

(S) 5.60 of 4821	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.38 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (15.38%)	2 (15.38%)	9 (69.23%)
(M) 7.00								

6.62 Overall satisfaction with the course.

(S) 5.60 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.50 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	3 (23.08%)	9 (69.23%)
(M) 7.00								

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

(S) 5.79 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.76 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (23.08%)	10 (76.92%)
(M) 7.00								

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

(S) 5.25 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.38 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	9 (69.23%)
(M) 7.00								

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

(S) 5.49 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.29 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	1 (7.69%)	4 (30.77%)	7 (53.85%)
(M) 7.00								

5.69 The course enhanced your ability to function on multidisciplinary teams.

(S) 5.10 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.27 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	2 (15.38%)	0 (0.00%)	2 (15.38%)	7 (53.85%)
(M) 7.00								

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

(S) 5.61 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.75 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	10 (76.92%)
(M) 7.00								

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

(S) 4.91 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.09 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	2 (15.38%)	8 (61.54%)
(M) 7.00								

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5.85		The course enhanced your ability to communicate effectively.						
(S) 5.12 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.15 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	2 (15.38%)	1 (7.69%)	2 (15.38%)	7 (53.85%)
(M) 7.00								

6.23		The course enhanced your ability to understand the impact of engineering in a global and societal context.						
(S) 5.01 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.15 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	1 (7.69%)	9 (69.23%)
(M) 7.00								

6.62		The course enhanced your ability to recognize the need for and to engage in life-long learning.						
(S) 5.34 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.31 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	2 (15.38%)	10 (76.92%)
(M) 7.00								

5.85		The course enhanced your ability to understand contemporary social issues.						
(S) 4.47 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.76 of 66	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	2 (15.38%)	1 (7.69%)	2 (15.38%)	7 (53.85%)
(M) 7.00								

6.77		The course enhanced your ability to use the techniques, skills and modern engineering tools necessary for engineering practice.						
(S) 5.72 of 4821	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.83 of 66	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	11 (84.62%)
(M) 7.00								

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.

08 Class notes online basically replaced the book, for me.

TA and Recitation (Michael Wendl - Instructor)

Please comment on the effectiveness of the TA.

08 I never went to the TA sessions

Please comment on the effectiveness of the recitation section

05 The TA's were very helpful overall.

10 He is a very good teacher and he knows the subject.

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?

03 I was sick twice.

08 I never missed much when I didn't go. I was able to pick up what was talked about quickly enough. Class notes posted online were very helpful.

09 It was absolutely worth the time to receive well-conceived instruction from a highly-regarded scientist in a core engineering topic.

12 Car trouble

Comments (Michael Wendl - Instructor)

What did you like most about this course?

03 I liked his continuing review of the material from the previous class. He is very receptive to questions and answers them very thoroughly. I like his comparison of real world applications.

05 Professor Wendl overall was one of if not the best teachers I've ever had for a lecture.

07 I liked the teacher, he was very enthusiastic and he set up his own website that had adequate notes on the course material from his lectures.

09 I especially appreciated Professor Wendl's ability to present a rather complex topic in a very digestible manner. The presentation was neither dumbed down for general consumption, nor made arbitrarily complex.

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

03 He has a good personality and is simultaneously very professional and competent in his field.

05 Professor Wendl is down to earth, enthusiastic, and very knowledgeable about Fluid Mechanics.

07 his enthusiasm.

08 I liked his teaching style, though I always doze off in the beginning when we start at such trivial things. It was hard to get back involved after I started losing interest. This was more of an issue before the midterm exam though. After, I didn't notice him starting at trivial issues anymore.

09 I am convinced that Professor Wendl is quite accomplished in multiple areas yet, he can deliver fluid mechanics in a way that is very approachable to undergraduate students.

How could this course improve?

03 Maybe more diagrams that are previously printed and an explanation of each variable in class. It is in his class notes.

05 Hard to say. I found the midterm to be difficult but doable. Hopefully the final will be doable as well.

07 Have example problems written out step by step and a map saying what every letter stands for.

How could the professor/instructor improve?

- 03 none
- 05 Make the tests slightly easier.
- 07 Doesn't need to

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

- 03 It is an explanation of the mechanics of motion of fluid.
- 05 Airflow through pipes, bernoulli's equation, venture's equation, aerodynamics, ...etc.
- 07 Take it, it's interesting and not the most difficult class
- 09 This guys knows what he's talking about. He's got a set of notes that are more or less a textbook.

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.

- 03 no
- 05 Nope
- 07 no

Any additional comments?

- 01 Excellent professor.
- 05 Keep up the great work!