

WUSTL Course Evaluations

5/15/2012

Title of Course: FLUID MECHANICS

Course: T17 3700

Section: 01

Semester: Spring 2012

Instructors: Michael Wendl (Instructor)

Completed Evaluations: 13 of 38 (34%)

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

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%)	4 (30.77%)	4 (30.77%)	3 (23.08%)	1 (7.69%)	1 (7.69%)	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%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (38.46%)	7 (53.85%)

6.31

You would recommend this course to others.

(S) 5.40 of 3345

(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (30.77%)	1 (7.69%)	8 (61.54%)

(D) 5.93 of 76

(M) 7.00

6.31

Overall satisfaction with the course.

(S) 5.43 of 3345

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (30.77%)	1 (7.69%)	8 (61.54%)

(D) 5.79 of 76

(M) 7.00

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

(S) 5.67 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 6.26 of 76	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								

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

(S) 5.19 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.69 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	4 (30.77%)	6 (46.15%)
(M) 6.00								

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

(S) 5.32 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 6.01 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	4 (30.77%)	6 (46.15%)
(M) 6.00								

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

(S) 4.97 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.37 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	3 (23.08%)	2 (15.38%)	7 (53.85%)
(M) 7.00								

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

(S) 5.50 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 6.12 of 76	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								

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

(S) 4.70 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.19 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	2 (15.38%)	1 (7.69%)	1 (7.69%)	8 (61.54%)
(M) 7.00								

5.54 The course enhanced your ability to communicate effectively.

(S) 4.90 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.15 of 76	0 (0.00%)	0 (0.00%)	2 (15.38%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	2 (15.38%)	6 (46.15%)
(M) 6.00								

6.00 The course enhanced your ability to understand the impact of engineering in a global and societal context.

(S) 4.77 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.14 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	1 (7.69%)	2 (15.38%)	2 (15.38%)	7 (53.85%)
(M) 7.00								

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6.62 **The course enhanced your ability to recognize the need for and to engage in life-long learning.**

(S) 5.04 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.62 of 76	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								

5.31 **The course enhanced your ability to understand contemporary social issues.**

(S) 4.28 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.65 of 76	0 (0.00%)	0 (0.00%)	2 (15.38%)	2 (15.38%)	0 (0.00%)	1 (7.69%)	2 (15.38%)	6 (46.15%)
(M) 6.00								

6.69 **The course enhanced your ability to use the techniques, skills and modern engineering tools necessary for engineering practice.**

(S) 5.56 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.99 of 76	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 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%)

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

(S) 6.09 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 6.40 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	13 (100.00%)	0 (0.00%)
(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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6.08		Instructor explained the course material so that you could understand it.							
(S)	5.56 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D)	5.69 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	3 (23.08%)	1 (7.69%)	8 (61.54%)
(M)	7.00								

6.15		Overall rating for teaching quality.							
(S)	5.69 of 3345	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D)	5.82 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	2 (15.38%)	2 (15.38%)	8 (61.54%)
(M)	7.00								

Course Materials and Assignments (Michael Wendl - Instructor)

6.58		Textbooks/readings complemented the lectures.								
(S)	5.49 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.21 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	11 (84.62%)	1 (7.69%)
(M)	7.00									

6.50		Textbooks/readings were useful.								
(S)	5.30 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.20 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	10 (76.92%)	1 (7.69%)
(M)	7.00									

6.92		Assigned homeworks were helpful and relevant to the course.								
(S)	6.05 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.36 of 76	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%)
(M)	7.00									

6.92		There was reasonable time to complete assignments.								
(S)	6.04 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.44 of 76	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%)
(M)	7.00									

6.23		Assignments were returned within a reasonable period of time.								
(S)	5.57 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D)	6.10 of 76	0 (0.00%)	0 (0.00%)	1 (7.69%)	0 (0.00%)	0 (0.00%)	1 (7.69%)	3 (23.08%)	8 (61.54%)	0 (0.00%)
(M)	7.00									

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Exams and Grade (Michael Wendl - Instructor)

6.77 Exams reflected material taught.

(S) 5.95 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 6.11 of 76	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									

6.31 Adequate time was given to complete exams.

(S) 5.86 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.61 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (23.08%)	0 (0.00%)	0 (0.00%)	10 (76.92%)	0 (0.00%)
(M) 7.00									

Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	4 (30.77%)	4 (30.77%)	5 (38.46%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(S) 5.57 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.00 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (15.38%)	2 (15.38%)	1 (7.69%)	8 (61.54%)
(M) 7.00								

6.62 The grading system was consistent and equitable.

(S) 5.81 of 3345	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.25 of 76	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (38.46%)	8 (61.54%)
(M) 7.00								

Overall

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

- 00 I left the country for a week so I missed two classes.
- 03 The professor brought up a few new examples that were not in the textbooks.
- 04 I only missed classes I was forced to miss due to obligations.
- 10 The lectures were extremely helpful because his presentation of the material and clarifications regarding background assumptions helped me understand the thought process for solving the problems.
- 11 other priorities

Course Administration (Michael Wendl - Instructor)

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

11 didnt see catalog description

Instructor (Michael Wendl - Instructor)

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

04 The material was covered very quickly and it was difficult to keep up. He worked examples from the book instead of problems that were not solved. He did many derivations but I missed a lot because I wasn't able to keep up with everything he went through.

Course Materials and Assignments (Michael Wendl - Instructor)

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

00 The professor tends to have his own way which don't necessarily coincide with the text or the notes.

04 The text & notes were very helpful.

TA and Recitation (Michael Wendl - Instructor)

Please comment on the effectiveness of the TA.

00 What TA?

02 Never saw the TA. She wasn't available for help, comments, etc. She also did not explain on homework why she took off points.

10 We did not have a regular TA. The grader just took off points without explaining since the solutions were posted online.

Please comment on the effectiveness of the recitation section

00 What recitation section?

10 Dr. Wendl would occasionally host help sessions and these were also good opportunities to ask more questions and go into greater depth.

Exams and Grade (Michael Wendl - Instructor)

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

02 The class was asked if there was a curve and never got an answer. I'm not exactly sure where I stand in the class.

Comments (Michael Wendl - Instructor)

What did you like most about this course?

00 NA

02 I really liked that homework was given in packets. It really helps to see a bunch of problems at one time because often you can learn as you go and then go back to an older problem and adjust it.

03 The material was very interesting and the concepts were explained well.

04 The notes were great to refer to. It was great that we were not required to buy the newest & most expensive edition of the book.

07 great lectures and notes were very helpful

10 The detailed and clear presentation of material, with relevant problems which involved critical thinking, rather than automatic application of formulas

11 interesting material. Dimensionless Analysis.

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

- 00 He was very upbeat and passionate about the subject.
- 02 He was very enthusiastic about the material and really understood what he was talking about. He didn't just read from a book, but explained how he figured things out. I also liked that the book was a pdf version provided online, as well as suggestions for additional textbooks given.
- 03 The professor brought up or discusses real life examples that are related to the material we studied. He also explained connections between different subjects to see the class in a broader sense.
- 04 His organization and experience.
- 07 very helpful stayed late to help students
- 09 Very passionate about the material and he can't help but show it!
- 10 His clear style and willingness to repeat and explain points where there was confusion
- 11 teacher was flexible, patient, and knowledgeable.

How could this course improve?

- 00 NA
- 02 I thought the exams were a little time constraint but overall it was a decent course.
- 04 I learn best hands on. I do not understand why the lab is not taught with this class. I understand the lab is difficult but that is how I put so much together.
- 07 making a T/A available for help sessions on a weekly basis
- 10 I really think it does not need improvement

How could the professor/instructor improve?

- 00 The professor should sometimes slow down a bit and make a better effort to explain the subject more clearly instead of assuming that the students are geniuses such as himself.
- 02 I wish he had office hours but he did make a great effort for study sessions on the side if the class scheduled them.
- 04 Do examples that are not worked out in the book.
- 10 Wendl does a great job and definitely applies his experience to anticipate and prevent problems and make the class the best it can be

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

- 00 This is the most complicated course so far!
- 02 Definitley get supplemental textbooks. The more examples the better.
- 04 Just ready to work your ass off but it is a worth while class.
- 07 great course, interesting material.
- 10 It is a rather challenging course, but Wendl is a great teacher. Work hard and you will learn a lot.
- 11 Interesting and useful material. Good teacher. Challenging.

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.

- 00 NA
- 02 I have not but I also do not spend a lot of time on campus with other students due to my schedule.
- 04 no
- 05 I have had trouble with one student who asks for my answers to compare , but I no longer give her any of mine.
- 07 no
- 11 no

Any additional comments?

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00	NA
06	Great Class!