

WUSTL Course Evaluations

5/19/2011

Title of Course: PRINCIPLES OF HEAT TRANSFER

Course: T17 3710

Section: 01

Semester: Fall 2009

Instructors: Michael Wendl (Instructor)

Completed Evaluations: 9 of 19 (47%)

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%)

6.89

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

(S) 6.00 of 3581

(D) 5.87 of 68

(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%)	1 (11.11%)	8 (88.89%)	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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6.89 The course matched the course catalog description.

(S) 6.06 of 3578	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.17 of 68	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								

Instructor (Michael Wendl - Instructor)

6.00 Instructor made the course interesting.

(S) 5.32 of 3575	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.30 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	5 (55.56%)
(M) 7.00								

6.89 Instructor was enthusiastic about the course.

(S) 5.99 of 3574	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.82 of 68	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								

6.25 The material was covered at a reasonable pace.

(S) 5.54 of 3572	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.71 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	2 (22.22%)	4 (44.44%)
(M) 6.50								

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

(S) 5.89 of 3570	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.85 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	1 (11.11%)	4 (44.44%)
(M) 6.50								

6.89 Instructor was well-organized and prepared for class.

(S) 5.96 of 3569	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.83 of 68	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								

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Exams and Grade (Michael Wendl - Instructor)

5.78 Exams reflected material taught.

(S) 5.75 of 3544	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.70 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	4 (44.44%)	0 (0.00%)
(M) 6.00									

5.78 Adequate time was given to complete exams.

(S) 5.59 of 3544	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 5.50 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	2 (22.22%)	4 (44.44%)	0 (0.00%)
(M) 6.00									

Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	3 (33.33%)	4 (44.44%)	2 (22.22%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(S) 5.38 of 3542	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.43 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	4 (44.44%)	2 (22.22%)	2 (22.22%)
(M) 5.00								

6.22 The grading system was consistent and equitable.

(S) 5.62 of 3542	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.96 of 67	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								

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%)	1 (11.11%)	4 (44.44%)	3 (33.33%)	1 (11.11%)	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%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	6 (66.67%)

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6.11 You would recommend this course to others.

(S) 5.27 of 3542	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.31 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	1 (11.11%)	0 (0.00%)	6 (66.67%)
(M) 7.00								

6.22 Overall satisfaction with the course.

(S) 5.28 of 3542	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.38 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	4 (44.44%)	4 (44.44%)
(M) 6.00								

6.11 The course enhanced your ability to apply knowledge of mathematics, sciences and engineering.

(S) 5.44 of 3540	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.50 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (22.22%)	4 (44.44%)	3 (33.33%)
(M) 6.00								

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

(S) 4.96 of 3539	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.02 of 67	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (11.11%)	2 (22.22%)	0 (0.00%)	1 (11.11%)	2 (22.22%)
(M) 5.00								

4.33 The course enhanced your ability to communicate effectively.

(S) 4.87 of 3538	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.88 of 67	0 (0.00%)	0 (0.00%)	2 (22.22%)	0 (0.00%)	1 (11.11%)	1 (11.11%)	1 (11.11%)	1 (11.11%)
(M) 4.50								

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

(S) 5.46 of 3538	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.33 of 67	0 (0.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)	1 (11.11%)	4 (44.44%)	1 (11.11%)	2 (22.22%)
(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.

00 Moved fast at times, but was ok.

Course Materials and Assignments (Michael Wendl - Instructor)

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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.

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.

01 15% Participation is vague

05 The homework grades are not consistent.

Overall (Michael Wendl - Instructor)

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

01 Complications with Online KSU class

Comments (Michael Wendl - Instructor)

What did you like most about this course?

00 Teacher, grading, homework due dates.

01 Heat exchanger analysis, because it is most applicable to field I'm interested in.

02 The course is taught with a strong emphasis on theory. For each class the professor spends about 85% of the time on theory. There are not many examples or real world applications done in class. Each class he eventually lost my attention because of all of the theory. I know that it is important to know theory but then in the real world it is hard to apply what you have "learned."

03 Easily the best part of heat transfer is Professor Wendl.

06 How the instructor's notes followed exactly what was taught, and handed out as part of the course; didn't have to waste time writing notes, you could focus on the lecture.

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

00 Cool guy, siked about the topic, extremely smart.

01 Very knowledgeable and interested in teaching Heat Transfer.

02 His enthusiasm.

03 Michael Wendl was ALWAYS prepared for his lecture, had a well thought out lesson plan and consistently taught the course properly. It is one of the few courses where if you showed up to all the lectures and didn't do much else, you could probably do well on a test. He also has an enthusiasm, maybe even zealotry about the material which makes it easy for him to explain things which could be fuzzy. His explanations are very thorough and he gives mathematical proofs of the theorems for most all of the material.

06 Would take the time to explain any questions asked (even though the class as a whole did not have many!)

How could this course improve?

00 I don't know that it could honestly.

- 01 Have homework due regularly instead of twice. More real world analysis instead of focusing on derivations.
- 02 Spend less time on theory and more on real world applications and examples
- 03 The only problem with this course is that the mid term seemed somewhat misrepresentative of the material. While most of our homework focused on things such as conduction and convection in application, the test focused on understanding of the theory.
- 06 (This is a personal preference from me for all classes, so not just this class); Have the class start an example during class, right after material is explained, give them say 5-10 minutes to get as far as possible (open dialogue between students) then finish the prob on the board; this really helped my understanding of material.

How could the professor/instructor improve?

- 00 no need, he's awesome.
- 01 Have office hours.
- 02 His midterm did not focus on much of what we had leared for the first half of the semester. I felt that a lot of important topics were left off.
- 03 Professor Wendl's only issue is not having any office hours, though he allows class time to go over problems with homework if needed.
- 06 One of the best teachers I've had.

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

- 00 Take it. Good prof.
- 01 Course analyzes conduction and convection due to fluids and gas in first half of the course, and radiation in the second half.
- 02 Boring.
- 03 This is an upper level engineering course with a heavy background in differential equations needed. However all you need to do is show up for class and pay attention.
- 06 This class makes use of your math skills, picks up right where Fluid Mechanics left off, and if you understood Fluids, you should progress with no prob.

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 no
- 01 no.
- 02 No.
- 03 No.
- 06 No

Any additional comments?

- 00 Keep up the good work. When I have SO many other instructors that I HATE, it is great to go to this class and have a professor that actually does his job properly.
- 03 If there were more professors like Michael Wendl, this engineering program wouldn't be in the shape it's in.
- 06 I'll expect an A for all the nice comments (just joking). I wish all instructors presented the notes in the same manner, excellent.