

WUSTL Course Evaluations

1/3/2012

Title of Course: PRINCIPLES OF HEAT TRANSFER

Course: T17 3710

Section: 01

Semester: Fall 2011

Instructors: Michael Wendl (Instructor)

Completed Evaluations: 8 of 21 (38%)

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%)	7 (87.50%)	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%)	7 (87.50%)	0 (0.00%)	0 (0.00%)

6.29

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

(S) 6.11 of 3729

(D) 6.17 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%)	1 (12.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	6 (75.00%)	0 (0.00%)

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

(blank)	Yes	No
0 (0.00%)	7 (87.50%)	0 (0.00%)

WUSTL Course Evaluations

1/3/2012

6.71 The course matched the course catalog description.

(S) 6.16 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.25 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	5 (62.50%)
(M) 7.00								

Instructor (Michael Wendl - Instructor)

6.43 Instructor made the course interesting.

(S) 5.50 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.51 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	1 (12.50%)	5 (62.50%)
(M) 7.00								

7.00 Instructor was enthusiastic about the course.

(S) 6.11 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.06 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	7 (87.50%)
(M) 7.00								

6.29 The material was covered at a reasonable pace.

(S) 5.65 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.78 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	2 (25.00%)	4 (50.00%)
(M) 7.00								

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

(S) 6.08 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.66 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	2 (25.00%)	1 (12.50%)	1 (12.50%)
(M) 5.00								

6.71 Instructor was well-organized and prepared for class.

(S) 6.06 of 3729	(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%)	1 (12.50%)	0 (0.00%)	6 (75.00%)
(M) 7.00								

WUSTL Course Evaluations

1/3/2012

Exams and Grade (Michael Wendl - Instructor)

6.71 Exams reflected material taught.

(S) 6.00 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 6.45 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	5 (62.50%)	0 (0.00%)
(M) 7.00									

6.71 Adequate time was given to complete exams.

(S) 5.68 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree	N/A
(D) 6.40 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	5 (62.50%)	0 (0.00%)
(M) 7.00									

Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	5 (62.50%)	1 (12.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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

(S) 5.57 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.08 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (37.50%)	4 (50.00%)
(M) 7.00								

6.57 The grading system was consistent and equitable.

(S) 5.77 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 6.10 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (37.50%)	4 (50.00%)
(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%)	2 (25.00%)	3 (37.50%)	1 (12.50%)	1 (12.50%)	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%)	1 (12.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (50.00%)	2 (25.00%)

WUSTL Course Evaluations

1/3/2012

6.43 You would recommend this course to others.

(S) 5.51 of 3729	(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
(D) 5.63 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	1 (12.50%)	5 (62.50%)
(M) 7.00								

6.43 Overall satisfaction with the course.

(S) 5.51 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.69 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	1 (12.50%)	5 (62.50%)
(M) 7.00								

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

(S) 5.71 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.76 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	1 (12.50%)	5 (62.50%)
(M) 7.00								

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

(S) 5.15 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.69 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	1 (12.50%)	3 (37.50%)
(M) 6.50								

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

(S) 5.36 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.54 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	1 (12.50%)	3 (37.50%)
(M) 6.50								

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

(S) 5.03 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.21 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	2 (25.00%)	1 (12.50%)	1 (12.50%)
(M) 5.00								

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

(S) 5.56 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.72 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	2 (25.00%)	4 (50.00%)
(M) 7.00								

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

(S) 4.80 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.11 of 68	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	1 (12.50%)	1 (12.50%)
(M) 5.00								

WUSTL Course Evaluations

1/3/2012

5.83	The course enhanced your ability to communicate effectively.							
(S) 4.98 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.27 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	3 (37.50%)	1 (12.50%)	2 (25.00%)
(M) 5.50								

5.00	The course enhanced your ability to understand the impact of engineering in a global and societal context.							
(S) 4.94 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.11 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	2 (25.00%)	0 (0.00%)	1 (12.50%)
(M) 5.00								

6.00	The course enhanced your ability to recognize the need for and to engage in life-long learning.							
(S) 5.19 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.45 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (25.00%)	0 (0.00%)	1 (12.50%)	4 (50.00%)
(M) 7.00								

4.80	The course enhanced your ability to understand contemporary social issues.							
(S) 4.36 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 4.74 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	1 (12.50%)	2 (25.00%)	0 (0.00%)	1 (12.50%)
(M) 5.00								

6.00	The course enhanced your ability to use the techniques, skills and modern engineering tools necessary for engineering practice.							
(S) 5.63 of 3729	(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
(D) 5.65 of 68	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (12.50%)	0 (0.00%)	2 (25.00%)	2 (25.00%)
(M) 6.00								

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.

- 04 I did not buy the textbook, but the instructor's notes (full PDF) were extremely helpful.
- 05 Never needed the book, the study notes provided were enough to keep up with the material.
- 07 The assigned book was only slightly helpful in the course, however, Professor Wendl's personal textbook was very helpful during the semester.

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.

Overall (Michael Wendl - Instructor)

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

- 02 Illness
- 04 Personal time constraints
- 06 Only missed lecture when it was unavoidable. Every lecture was well-organized, informative, and worthwhile. Always made sure to get notes for the lectures I did miss.

Comments (Michael Wendl - Instructor)

What did you like most about this course?

- 02 Very interesting lectures.
Seeing the full problem solving process.
- 03 The material seemed to be useful in real world application
- 05 It managed to blend two very different approaches to heat transfer [conduction/convection with radiation] in a format that is easy to follow.
- 06 The information presented properly builds upon past courses to present new information.
- 07 I liked the slack homework schedule. It allowed me a comfortable amount of time to finish homework without conflicts with other classes.

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

- 02 Seeing him make a mistake and correct it was helpful in learning to work through engineering problems
- 03 He is very engaging and VERY intelligent
- 05 His proficiency in the problem matter. Never failed to answer a question or break an explanation down to the point where everyone in the class can digest it.
- 06 The obvious mastery that Dr. Wendl displays in his knowledge of the subject. His ability to derive from first principles all of the relevant equations for our class, and the examples he uses along the way to demonstrate the process, make the information much more engaging.
- 07 his command of the subject was very strong and no matter what question was asked, professor Wendl would work to find an answer.

How could this course improve?

- 06 No suggestions.

How could the professor/instructor improve?

06 Improvement not needed. I wish Dr. Wendl taught all of my courses; I feel as though my understanding of all subjects would be greater were that the case.

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

02 Complex but well taught

06 Take it, and any other courses that Dr. Wendl teaches. He never covers a subject for longer than is needed to grasp the concept, so the material is always fresh. At the same time, he will gladly go back and explain in as much detail as necessary anything from the span of the course that you may be struggling with, so the pacing is perfect.

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.

06 None.

Any additional comments?

06 Dr. Wendl's firm grasp of the fundamental principles and governing mathematics for this course enable him to present the information in a way that allows the students to build upon their past knowledge by applying it to new scenarios. Knowing the reasoning and derivation behind complex heat and mass transfer equations, rather than simply memorizing the terms, means that we are actually increasing our knowledge base and our understanding of the process, not simply learning how to get the right answer on an exam.