WUSTL Course Evaluations

6/2/2014

Title of Course: Conduction and Convection Heat Transfer

Course: E37 5403   **Section:** 01

Semester: Spring 2014

Instructors: Michael Wendl (Instructor)

Completed Evaluations: 6 of 16 (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%)	6 (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%)	6 (100.00%)	0 (0.00%)	0 (0.00%)

6.67

(S) 6.07 of 4309

(D) 5.98 of 496

(M) 7.00

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

(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%)	1 (16.67%)	0 (0.00%)	5 (83.33%)	0 (0.00%)

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

(blank)	Yes	No
0 (0.00%)	5 (83.33%)	1 (16.67%)

WUSTL Course Evaluations

6.83 — **The course matched the course catalog description.**

(S) 6.13 of 4309
(D) 6.10 of 496
(M) 7.00

(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%)	0 (0.00%)	1 (16.67%)	5 (83.33%)

Instructor (Michael Wendl - Instructor)

7.00 — **Instructor made the course interesting.**

(S) 5.29 of 4309
(D) 5.26 of 496
(M) 7.00

(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%)	0 (0.00%)	0 (0.00%)	6 (100.00%)

7.00 — **Instructor was enthusiastic about the course.**

(S) 5.91 of 4309
(D) 5.91 of 496
(M) 7.00

(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%)	0 (0.00%)	0 (0.00%)	6 (100.00%)

6.83 — **The material was covered at a reasonable pace.**

(S) 5.70 of 4309
(D) 5.72 of 496
(M) 7.00

(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%)	0 (0.00%)	1 (16.67%)	5 (83.33%)

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

(S) 5.92 of 4309
(D) 5.93 of 496
(M) 7.00

(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	5 (83.33%)

6.83 — **Instructor was well-organized and prepared for class.**

(S) 5.93 of 4309
(D) 5.98 of 496
(M) 7.00

(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%)	0 (0.00%)	1 (16.67%)	5 (83.33%)

6.83   **Instructor explained the course material so that you could understand it.**

(S) 5.53 of 4309

(D) 5.64 of 496

(M) 7.00

(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%)	0 (0.00%)	1 (16.67%)	5 (83.33%)

7.00   **Overall rating for teaching quality.**

(S) 5.59 of 4309

(D) 5.61 of 496

(M) 7.00

(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%)	0 (0.00%)	0 (0.00%)	6 (100.00%)

Course Materials and Assignments (Michael Wendl - Instructor)

7.00   **Textbooks/readings complemented the lectures.**

(S) 5.70 of 4309

(D) 5.66 of 496

(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%)	0 (0.00%)	6 (100.00%)	0 (0.00%)

7.00   **Textbooks/readings were useful.**

(S) 5.49 of 4309

(D) 5.33 of 496

(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%)	0 (0.00%)	6 (100.00%)	0 (0.00%)

6.83   **Assigned homeworks were helpful and relevant to the course.**

(S) 6.04 of 4309

(D) 5.81 of 496

(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 (16.67%)	5 (83.33%)	0 (0.00%)

7.00   **There was reasonable time to complete assignments.**

(S) 6.12 of 4309

(D) 6.11 of 496

(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%)	0 (0.00%)	6 (100.00%)	0 (0.00%)

5.67   **Assignments were returned within a reasonable period of time.**

(S) 5.58 of 4309

(D) 5.52 of 496

(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%)	2 (33.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (66.67%)	0 (0.00%)

6.20   **Comments on graded work were helpful.**

(S) 5.12 of 4309

(D) 4.94 of 496

(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%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (66.67%)	1 (16.67%)

7.00   **Labs were an effective supplement to the course.**

(S) 5.84 of 4309

(D) 5.85 of 496

(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%)	0 (0.00%)	3 (50.00%)	3 (50.00%)

6.00   **The course material drew upon real world applications.**

(S) 5.94 of 4309

(D) 5.88 of 496

(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%)	1 (16.67%)	1 (16.67%)	0 (0.00%)	3 (50.00%)	1 (16.67%)

6.83   **Overall rating of course content.**

(S) 5.68 of 4309

(D) 5.57 of 496

(M) 7.00

(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%)	0 (0.00%)	1 (16.67%)	5 (83.33%)

TA and Recitation (Michael Wendl - Instructor)

5.67   **The TA was effective.**

(S) 5.61 of 4309

(D) 5.78 of 496

(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%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (33.33%)	2 (33.33%)

7.00   **The TA was available and responsive to questions.**

(S) 5.77 of 4309

(D) 5.85 of 496

(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%)	0 (0.00%)	2 (33.33%)	3 (50.00%)

6.00   **Recitation section served to enhance your understanding of the course material.**

(S) 5.61 of 4309

(D) 5.84 of 496

(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%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	2 (33.33%)	2 (33.33%)

Exams and Grade (Michael Wendl - Instructor)

6.67 — **Exams reflected material taught.**

(S) 5.86 of 4309

(D) 5.92 of 496

(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%)	1 (16.67%)	0 (0.00%)	5 (83.33%)	0 (0.00%)

6.50 — **Adequate time was given to complete exams.**

(S) 5.71 of 4309

(D) 5.46 of 496

(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%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	5 (83.33%)	0 (0.00%)

Expected grade for this course.

(blank)	A	B	C	D	F	P
0 (0.00%)	5 (83.33%)	0 (0.00%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

6.33 — **Your grades to this point accurately reflect your understanding of the material**

(S) 5.50 of 4309

(D) 5.45 of 496

(M) 7.00

(blank)	1 - Strongly Disagree	2	3	4	5	6	7 - Strongly Agree
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	0 (0.00%)	1 (16.67%)	4 (66.67%)

6.67 — **The grading system was consistent and equitable.**

(S) 5.78 of 4309

(D) 5.91 of 496

(M) 7.00

(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%)	1 (16.67%)	0 (0.00%)	5 (83.33%)

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%)	2 (33.33%)	1 (16.67%)	3 (50.00%)	0 (0.00%)	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%)	0 (0.00%)	1 (16.67%)	2 (33.33%)	3 (50.00%)

6.67

(S) 5.38 of 4309

(D) 5.35 of 496

(M) 7.00

You would recommend this course to others.

(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%)	1 (16.67%)	0 (0.00%)	5 (83.33%)

6.67

(S) 5.37 of 4309

(D) 5.36 of 496

(M) 7.00

Overall satisfaction with the course.

(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%)	1 (16.67%)	0 (0.00%)	5 (83.33%)

6.50

(S) 5.66 of 4309

(D) 5.66 of 496

(M) 7.00

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

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	5 (83.33%)

5.83

(S) 5.14 of 4309

(D) 5.14 of 496

(M) 6.50

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

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (33.33%)	0 (0.00%)	1 (16.67%)	3 (50.00%)

5.83

(S) 5.22 of 4309

(D) 5.40 of 496

(M) 6.00

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

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	1 (16.67%)	2 (33.33%)	2 (33.33%)

5.40

(S) 4.93 of 4309

(D) 4.61 of 496

(M) 5.00

The course enhanced your ability to function on multidisciplinary teams.

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (33.33%)	1 (16.67%)	0 (0.00%)	2 (33.33%)

6.33

(S) 5.49 of 4309

(D) 5.48 of 496

(M) 6.50

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

(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%)	1 (16.67%)	2 (33.33%)	3 (50.00%)

4.80

(S) 4.65 of 4309

(D) 4.14 of 496

(M) 5.00

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

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	1 (16.67%)	0 (0.00%)	2 (33.33%)

4.60   **The course enhanced your ability to communicate effectively.**

(S) 4.94 of 4309
(D) 4.52 of 496
(M) 4.00

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	2 (33.33%)	1 (16.67%)	0 (0.00%)	1 (16.67%)	1 (16.67%)

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

(S) 4.89 of 4309
(D) 4.68 of 496
(M) 4.00

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	1 (16.67%)	0 (0.00%)	1 (16.67%)	1 (16.67%)	0 (0.00%)	0 (0.00%)	2 (33.33%)

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

(S) 5.13 of 4309
(D) 4.93 of 496
(M) 5.00

(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%)	3 (50.00%)	0 (0.00%)	2 (33.33%)

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

(S) 4.35 of 4309
(D) 3.85 of 496
(M) 3.00

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	1 (16.67%)	0 (0.00%)	2 (33.33%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	1 (16.67%)

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

(S) 5.52 of 4309
(D) 5.63 of 496
(M) 6.00

(blank)	1 - Poor	2	3	4	5	6	7 - Excellent
0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (16.67%)	0 (0.00%)	2 (33.33%)	2 (33.33%)

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.

| 00 | The TA graded the homework very slowly. And when grading the exam, the TA's grading policy is a little unreasonable. |

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

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

| 03 | out of town business travel |
| 04 | Business travel |

Comments (Michael Wendl - Instructor)

What did you like most about this course?

00	Interested in the related field.
03	The instructor. Clear explanations of all subject matter. Good introduction to all standard solution techniques for PDEs.
04	Offered a nice insight into some difficult conduction and convection problems
05	The instructor made class interesting

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

00	The instructor is well-organized and can help us solving problems.
02	His ability to pass across information clearly and his deep understanding of the subject
03	very well prepared for lecture. clear depth of knowledge about the subject matter. excited about teaching. clear lecturer, able to provide excellent supplemental explanations of material when questions were asked. Dr. Wendl is one of the best professors I have ever had in all my academic training. Mathematically rigorous, and able to go through each step of derivations from first principles. Motivates derivations well. Excellent demeanor. Can't say enough good things about him. An excellent professor all-around.
04	Very approachable, laid back and knowledgable
05	The online (free) text was a nice surprise and was well written for the subject covered.

How could this course improve?

00	The course is a little easy. Maybe can add more materials in the class.
03	Make it a one-year course, with a semester each for conduction and convection. Make sure homeworks are returned in a reasonable time frame. Have more regular homework.
04	I like the course as it is
05	Homework could be graded and returned a little faster.

How could the professor/instructor improve?

00	Change the grader.
03	Already a superior instructor. Keep up the good work.
04	I like the professor as he is.

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

00	Strongly recommended. The instructor knows what he is doing and does it well. You can inhance your ability to solve PDEs. And the course relates to the real world closely.
02	very interesting and relevant
03	Great course, excellent instructor. Taking this class will give you an excellent foundation for other courses that rely on the solution of 2nd order PDEs, heat transfer, fluids problems.
04	Good course to learn about conduction an dconvection phenomena. The professor teaches it well and learning the material is made a lot easier frpom the way he teaches it.
05	This is a great course to take when Wendl is teaching it. I think it is a tough subject with a good instructor.

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.
03	no
04	No
05	No, No violations observed.

Any additional comments?

03	Great course, great instructor. Professor Wendl should teach all the graduate fluids courses as well as this course - he would be a much better choice than Roos, who appears to know nothing.
05	Hope you continue to teach students like you did in our class!