

# ME 331 Heat transfer

## Summer 2008

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**Office hours:** MEB 151: Monday and Thursday 12:00-1:30pm

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**Office hours:** MEB 151: Tuesday 12:00-1:30, Wednesday 9:00-10:30

**Textbook:** Incropera, DeWitt, Bergman, Lavine, *Fundamentals of Heat and Mass Transfer*, 6th Edition, John Wiley & Sons.

Answers to Selected problems: Student Companion Site

<http://www.wiley.com/college/incropera/>

**Course Web Page:** <http://courses.washington.edu/mengr331/>

**Lectures:** Mon, Tue, Thu: 10:50-11:50, MEB 237

**Tutorial/Labs:** Tue: 2:20-5:40, MOR 221

### Course Description:

Fundamental principles of conduction, convection, and radiation heat transfer. Numerical methods for heat transfer problems. Design and application of heat transfer equipment such as insulation, fins, furnaces, heat exchangers, etc. The course will consist of lectures, problem tutorials, and laboratory experiments.

Prerequisite: either ME 333 or CEE 342.

4 credits.

**Late homework policy:** If you need an extension for the homework due to unusual circumstances, ask me possibly at least one day before the deadline. Once the solution is posted on the web, no late homework is accepted.

**Feedbacks:** Feedback is very welcome and very important to improve the course! Share your suggestions or comments about the course with the instructor or the teaching assistant, either anonymously through the 'feedback' link on the class website or in person directly with us.

**Grade:** Homework: 20%

Labs: 20%

Midterm 1: 20%

Midterm 2: 20%

Final exam: 20%

**Final exam:** Thursday, August 21, 10:50 -11:50