ME 335 Heat Transfer
Winter 2008, Section 002
MW 10:30 a.m. -12:00 p.m., 1017 Dow

Instructor: Professor Margaret S. Wooldridge
2156 GGBrown
936-0349
mswool@umich.edu

Graduate Student Instructor: Mr. Smitesh Bakrania

Office Hours: Wooldridge: 2156 GGBrown, MW 12:00-1:00, and by appointment
Bakrania: Findley Learning Center, Tu 5:00-7:00 p.m., Su 1:00 -3:00 p.m..

Course Description: Heat transfer by conduction, convection, radiation; heat storage; energy conservation, steady-state/transient conduction heat transfer; thermal circuit modeling; multidimensional conduction; surface radiation properties; enclosure radiation exchange; surface convection/fluid streams over objects, nondimensional numbers, laminar, turbulent, thermobuoyant flow, boiling and condensation; heat exchangers; design of thermal systems, solvers for problem solving/design.

Course Profile: https://me-web2.engin.umich.edu/zope/abet/printviewprofile?catNumber=335

Required Text: Fundamentals of Heat and Mass Transfer, (6^{th} ed.) by Incropera, DeWitt, Bergman and Lavine; John Wiley & Sons, 2007.

Prerequisites: ME320 Fluid Mechanics (Thermodynamics, etc.)

Grades:

Homework	20%
Exam 1	25%
Exam 2	25%
Final Exam	30%

Homework: Due at the beginning of class, one week from the date assigned. Each problem graded 0 (incorrect or missing), 1, or 2 (correct and complete). Late homework marked down 25% per day late. Solutions posted on the course C-Tools website.

Final Exam: Monday, April 21, 2008
4:00 – 6:00 p.m.
The final exam will be comprehensive.

Resources, solutions, etc. The course syllabus, schedule, homework solutions and exam solutions, etc. will be posted on ME335 Winter 2008 CTools Website. To access this information you need to login at https://ctools.umich.edu/portal, and access the ME335 Section 2, Resources, etc.