Boston University
ENG ME419 Heat Transfer
INFORMATION SHEET FOR SPRING 2012*

Instructors:

Prof. Katherine Yanhang Zhang
Section A1: MW 12-2, CAS 325
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Office: ENG 219 (110 Cummington St.)
Office hours: Monday 3:30-4:30pm

Graduate Teaching Fellows (GTFs)

Dingjiang Zhou (Section A1)
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Office: ENG 117, 110 Cummington Street
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Textbook:

Yunus Cengel and Afshin Ghajar, "Heat and Mass Transfer," 4th Edition.

Website:

Under Blackboard: Use http://blackboard.bu.edu/. The relevant documents for each Section such as syllabus, homework assignment, project descriptions, and lab descriptions will be posted at the site.

Grading:

Labs	10%
Design Project	10%
Homework+Quizzes	15%
Test No. 1	20%
Test No. 2	20%
Final Exam	25%

Labs:

There are two laboratory experiments to be performed later in the semester. Detailed information on these labs will be forthcoming.

Design Project:

A detailed discussion of the project and the due dates and deliverables will follow.

* Subject to change.

Homework:

Homework assignments and the due dates will be given on the course syllabus posted on the website. The syllabus will be updated as the semester progresses. The homework will be due in class. **Late homework will not be accepted.**

Drop-in Center:

The discussion section has been replaced by open Drop-in/Tutoring hours. The center will be staffed by the GTF. The locations and hours of operation are:

Hours: Monday & Tuesday 6-8pm
Location: ENG 117, 110 Cummington Street

Communication:

Important course announcements will be communicated to you through e-mail. It is essential that you check your e-mail regularly and maintain your e-mail account to receive e-mail messages.

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ENG ME419
Heat Transfer

SYLLABUS FOR SPRING 2012

Text: Heat and Mass Transfer (Yunus Cengel, 4th Edition)

WK	DATES		TOPIC	HW PROBLEMS	HW DUE	OTHER
1	1/18	1.1-1.10	INTRODUCTION			
2	1/23 1/25	2.1-2.3	INTRO. TO CONDUCTION			
3	1/30 2/1	2.4-2.6	INTRO. TO CONDUCTION STEADY CONDUCTION			
4	2/6 2/8	3.1 -3.5	STEADY CONDUCTION			
5	2/13 2/15	3.6 4.1-4.2	STEADY CONDUCTION TRANSIENT CONDUCTION			
6	2/21 2/22	**TEST NO. 1**	**Tuesday 2/21 is Monday schedule.** Review **TEST NO. 1 ON 2/22**			LAB 1
7	2/27 2/29	4.2-4.3 5.1-5.5	TRANSIENT CONDUCTION NUMERICAL METHODS			
8	3/5 3/7	6.1-6.11	**LAB 1 REPORT DUE** INTRO. TO CONVECTION			
	3/12 3/14		**SPRING BREAK**			
9	3/19 3/21	7.1-7.4	EXTERNAL FLOW			
10	3/26 3/28	8.1-8.6	INTERNAL FLOW **DESIGN PROJECT ASSIGNED**			
11	4/2 4/4	11.1-11.6	HEAT EXCHANGERS			
12	4/9 4/11	**TEST NO. 2** 9.1-9.3	**TEST NO. 2 ON 4/9** NATURAL CONVECTION			LAB 2
13	4/18	9.4-9.6	NATURAL CONVECTION **LAB 2 REPORT DUE 4/18**			
14	4/23 4/25	12.1-12.5	RADIATION			
15	4/30 5/2	13.1-13.6	RADIATION **DESIGN PROJECT FINAL REPORT DUE**			