

**CANKAYA UNIVERSITY  
FACULTY OF ENGINEERING  
MECHANICAL ENGINEERING DEPARTMENT**

**ME 613 Advanced Convective Heat Transfer**

**COURSE POLICY AND LEARNING OBJECTIVES  
Spring 2019**

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**A-TEXT BOOK:**

- 1) Convective Heat Transfer  
S.Kakac, Y.Yener and A.Pramuanjoroenkij  
CRC Press 2014

**B-PREREQUISITE:**

2) The material in ME 613 Advanced Convective Heat Transfer is based on the understanding of: (1) Calculus, including ordinary differentiation, integration, and partial differentiation; (2) Thermodynamics; (3) Ordinary and Partial Differential equations; (4) Linear algebra, undergraduate Fluid Mechanics and Heat Transfer.

**C-ASSIGNMENTS:**

In addition to this course policy statement, please find the course syllabus. The course syllabus provides a detailed listing of the topics to be covered in each lecture

As basic preparation for each lecture, you should read the assigned section of the textbook before coming to class. The problems assigned from the textbook are illustrative of the general material and problems found on exams. You should attempt to solve the assigned homework problems before each lecture period. This will help you to formulate questions about the material to be discussed in lecture and help you understand the lecture discussions.

Students must quickly become familiar with the Matlab ,Maple or Fortran programming language. Homework assignments weekly are expected to reinforce and expand understanding of the material covered in class.

In addition to the weekly reading and homework problem assignment assignments, it is suggested that you review your class notes on a daily basis. You are responsible for all material listed in the syllabus and discussed in lecture. Finally, your instructor may not

cover every single topic on the course syllabus in the order that it is listed, or may not have time in lecture to cover all the material listed in the syllabus. You are responsible for all the material listed in the syllabus.

#### D-COURSE GRADING:

The course grade will be based on the score obtained from the following the distributions:

Attendance	10%
One Midterm	30%
Homework	30%
Final exam	30%

It is expected that you attend your registered lecture on a regular basis. If you have to miss class on occasion, you should try and get the class notes from one of your colleagues.

#### E-CLASSROOM RULES:

Common courtesy while in the classroom is a pre-requisite for learning. The following is expected of students in ME 613.

- Turn off all cell phones, pagers, beepers, etc. before entering classroom. It distracts and annoys those sitting near you when your phone, beeper or pager goes off during lecture.
- Do not read the newspaper once lecture has started. Those behind you cannot see the board/overhead screen through the paper. It is also insulting to your instructor.
- Remove the newspaper, soda cans, candy wrappers and anything else you bring into classroom when you leave. There are trashcans outside for any refuse. Smoking will not be permitted. You can only drink water.
- Class time is not for a socializing. Please restrict your conversations to subjects related to ME 613. It is distracting and annoying to those sitting near you if you're talking about non-class issues while lecture and discussion is going on. Plus, you'll invariable miss important information. Finally, it's disrespectful of your instructor.

#### F-SOME ADVICE:

Reading your textbook and class notes, and working the homework problems on a daily basis is the best way to ensure you learn the material and are prepared for exams. Hard work and struggle is generally required, especially in the early stages of the class, so try and get into the swing of things as soon as possible.

Good luck!

Prof.Dr.Nevzat Onur