Instructor: Professor Shawn C. Shadden  
Room 130G, Engineering 1  
312-567-5126  
shawn.shadden@iit.edu  
Office hours: T,Th 2-4PM (tentative)

Teaching Assistant(s): TBD

Pre-/Co-requisites: CHEM 124, PHYS 224, MATH 251

Lecture Time/Location: T,TH 11:25AM – 12:40PM  
Room 152, Life Sciences

Text: Moran, Shapiro, Boettner and Bailey, *Fundamentals of Engineering Thermodynamics*, 7\textsuperscript{th}  
Yes, you will probably be fine with an earlier edition, please buy and read something.

Web Page: blackboard.iit.edu

Topics:

1. Fundamental Concepts  
2. Properties of a Pure Substance  
3. Work and Heat  
4. First Law of Thermodynamics  
5. Second Law of Thermodynamics  
6. Entropy  
7. Thermodynamic Cycles

Grading: Homework 10%  
Quizzes (drop lowest) 10%  
Exams (2@25%) 50%  
Final 30%

Other information:

- Quizzes and exams will cover information in assigned reading, lectures and homework.  
- If you miss a lecture, please get information (notes, comments, etc.) from fellow classmate(s). The exception is that I generally post handouts on BlackBoard.  
- I will try to respond to email within 24hrs. If no response is received after 24 hrs, please send me a reminder.  
- Late homework is not allowed, nor makeups for quizzes. Makeups for exams will only be allowed under exceptional circumstances.  
- Keep up to date with reading and homework.