

**Final**

10:00 AM MWF Lecture	Friday (4/30)	1 PM – 4 PM
11:15 AM MWF Lecture	Thursday (4/29)	6 PM – 9 PM

**Review sessions:**

Thursday (4/22)	Chap 1-7	Bracy 04 : 9:00 – 10:30 PM
Tuesday (4/27)	Chap 12, 15, thermo	Bracy 04 : 9:00 – 10:30 PM

**Office Hours:**      *As indicated on website, or by appointment.*

**Time to complete exam:** 3.0 Hours – starting at 6 PM or 1 PM

**Content:**

All inclusive: Chapters 1-19 (No chapter 17)  
 Approximately 1/3 to 1/2 of the final will focus on chapters 12, 15 and thermo  
 Need to know information from readings, lectures, labs and homework.  
 Problem solving and conceptual questions.  
 Equation sheet provided – please provide feedback two days prior to the final  
 Equation sheets from Tests 1-3 and inside of cover of the text also provided.

**Part I. Multiple Choice (3 pts each)**

36 Multiple Choice Questions (3 Pts each)  
 Choose one answer.  
 Show all work, since partial credit may be given.

**Part II. Short answer problems (12 pts each)**

Solve four of six problems given, your choice.  
 All problems will have four parts (a) - (d)

If you try to solve more than four problems, please clearly indicate which problems you wish to have graded. If you do not indicate this, I will assume you want me to grade the first four problems.

Please show all of your work.  
 Please provide units with all answers.  
 Partial credit may be given if you include your work.  
 Please include equations without numbers.

**Total available points: Part I : 108 Pts + Part II 48 Pts = 156 pts.**

You must attend the final that you are enrolled as stated in Self-Service.