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## **Homework Assignment 3**

**Thermodynamics: The First law**

Lectures cover Oxtoby pages 212-226 (Sections 7.2-7.5)

Do Oxtoby Chapter 7 Problems: 7.19, 7.29, 7.31, 7.36, 7.51,  
7.57, 7.61, 7.68

**Suggested Completion date: 11/15/98**

**Thermodynamics: The Second Law, Entropy and Free Energy**

Lectures cover Oxtoby pages 243-248 (Sections 8.1-8.2); 251-253 (Section  
8.3); 256-272 (Section 8.5-8.7); 285-296 (Section 9.2)

Do Oxtoby Chapter 8 and 9 Problems: 8.13, 8.17, 8.19, 8.23a, 8.25, 8.31,  
8.33, 8.37a, 9.7, 9.9

**Suggested Completion date: 11/24/98**