

Reading Assignments

Callen, H. B. (1998). Thermodynamics and an Introduction to Thermostatistics.

Chapter 1

Chapter 2

Chapter 3: 3.1, 3.2, 3.3, 3.4, 3.5, 3.9

Chapter 4: 4.5, 4.6, 4.7 (Jacobian method from Y V C Rao.)

Chapter 5: 5.1, 5.2, 5.3

Chapter 7: 7.1, 7.2, 7.3, 7.4 (Appendix A)

Chapter 8: 8.1, 8.2, 8.3

Smith, J. M., Van Ness, H. C., & Abbott, M. M. (2005). Introduction to Chemical Engineering Thermodynamics, 7th ed.

Chapter 3: 3.1, 3.2, 3.3, 3.4, 3.5

Chapter 4: 4.1

Chapter 5: 5.11

Chapter 6 (departure functions from Y V C Rao.)

Chapter 10

Chapter 11

Chapter 12

Chapter 13

Chapter 14

Chapter 15 (if time permits) Thermodynamics analysis of processes