

THERMODYNAMICS (ENGR 352 SECTION 1, M. T. HORSCH): DETAILED SCHEDULE

Sun Sept 10 9.15 – 10.15: Introductory Session

(1) Thermodynamic Systems (MSBB 1.1 to 2.4; ÇB 1-1 to 2-5)

Tue Sept 12 9.15: (1) Lecture I Thu Sept 14 9.15: (1) Lecture II Sun Sept 17 9.15: (1) Lecture III

(2) First Law and Thermodynamic Properties (MSBB 3.1 to 3.14; ÇB 2-6 to 3-7)

Tue Sept 19 9.15: (2) Lecture I Thu Sept 21 9.15: (2) Lecture II Tue Sept 26 9.15: (2) Lecture III

Wed Sept 27 8.00 – 9.00: Q&A Session (shifted from Sun Sept 24 9.15)

(3) Applications of the First Law (MSBB 4.1 to 4.12; ÇB 4-1 to 5-5)

Tue Oct 3 9.15: (3) Lecture I

Wed Oct 4 8.00 – 9.00: Q&A Session (shifted from Thu Sept 28 9.15)

Thu Oct 5 9.15: (3) Lecture II Tue Oct 10 9.15: (3) Lecture III

Wed Oct 11 8.00 – 9.00: Q&A Session (shifted from Sun Oct 1 9.15)

Thu Oct 12 9.00 – 10.00: Term Exam I (A-G-05)

Sat Oct 14 9.15 – 10.15: Tutorial Session (1), shifted from Sun Oct 8 9.15

(4) Second Law and Entropy (MSBB 2.6, 3.15, 5.1 to 6.11; ÇB 6-1 to 7-9, 7-13)

Sun Oct 15 9.15: (4) Lecture I Tue Oct 17 9.15: (4) Lecture II

Wed Oct 18 8.00 – 9.00: Q&A Session (shifted from Thu Oct 26 9.15)

Thu Oct 19 9.15 – 10.15: Discussion of Term Exam I

Sun Oct 22 9.15 – 10.15: Tutorial Session (2)

Tue Oct 24 9.15: (4) Lecture III

Tue Oct 31 9.15 – 10.15: Tutorial Session (3)

Thu Nov 2 9.15: (4) Lecture IV

(5) Thermodynamic Property Relations (MSBB 11.1 to 12.4; ÇB 3-8, 12-1, 12-2, 12-4 to 13-3)

Sun Nov 5 9.15: (5) Lecture I Tue Nov 7 9.15: (5) Lecture II

Tue Nov 7: Colloquia on the First Law of Thermodynamics (#1 out of 2)

Wed Nov 8 8.00 – 9.00: Q&A Session (shifted from Sun Oct 29 9.15)

Thu Nov 9 9.15: (5) Lecture III

Sun Nov 12 8.00 – 10.00: Term Exam II (A-G-05)

(6) Phase Equilibria and Phase Transitions (MSBB 8.1, 8.2, 14.1, 14.5, 14.6; ÇB 10-1, 10-2, 12-3, 16-6)

Tue Nov 14 9.15: (6) Lecture I

Wed Nov 15 8.00 – 9.00: Q&A Session (shifted from Sun Dec 3 9.15)

Thu Nov 16 9.15: (6) Lecture II

Thu Nov 16: Colloquia on the First Law of Thermodynamics (#2 out of 2)

Sun Nov 19 9.15 – 10.15: Tutorial Session (4)

Tue Nov 21 9.15 – 10.15: Discussion of Term Exam II

Wed Nov 22 8.00 – 9.00: Q&A Session (shifted from Tue Dec 12 9.15)

Thu Nov 23 9.15: (6) Lecture III

(7) Chemical Reaction Thermodynamics (MSBB 13.1 to 13.3, 13.5, 14.2, 14.3; ÇB 15-1 to 16-5)

Sun Nov 26 9.15: (7) Lecture I

Tue Nov 28 9.15 – 10.15: Tutorial Session (5)

Tue Dec 5 9.15: (7) Lecture II Thu Dec 7 9.15: (7) Lecture III

Sun Dec 10 9.15 – 10.15: Tutorial Session (6)

Final Exam: Date and Location to be Announced