

RYERSON UNIVERSITY

DEPARTMENT OF MECHANICAL & INDUSTRIAL ENGINEERING

MEC 309 (BASIC THERMODYNAMICS) LABORATORY SCHEDULE FOR WINTER 2004

LAB NO., TITLE & DESCRIPTION	SECTION NO.	DAY & DATE	TIME
1. MEASUREMENT OF PRESSURE & AIRFLOW a) Pressure gauge calibration b) Mass flow measurement	2	Mon., Jan. 12	10:00 a.m. – 12:00 p.m.
	4	Mon., Jan. 12	1:00 p.m. – 3:00 p.m.
	1	Mon., Jan. 19	10:00 a.m. – 12:00 p.m.
	3	Mon., Jan. 19	1:00 p.m. – 3:00 p.m.
	5	Mon., Jan. 19	8:00 a.m. – 10:00 a.m.
2. MEASUREMENT OF TEMPERATURE & TEMPERATURE-PRESSURE RELATIONSHIP a) Thermometer calibration b) Norwood steam chest	2	Mon., Jan. 26	10:00 a.m. – 12:00 p.m.
	4	Mon., Jan. 26	1:00 p.m. – 3:00 p.m.
	1	Mon., Feb. 2	10:00 a.m. – 12:00 p.m.
	3	Mon., Feb. 2	1:00 p.m. – 3:00 p.m.
	5	Mon., Feb. 2	8:00 a.m. – 10:00 a.m.
3. HEATING VALUE OF FUELS Oxygen bomb calorimeter	2	Mon., Feb. 9	10:00 a.m. – 12:00 p.m.
	4	Mon., Feb. 9	1:00 p.m. – 3:00 p.m.
	1	Mon., Feb. 16*	10:00 a.m. – 12:00 p.m.
	3	Mon., Feb. 16*	1:00 p.m. – 3:00 p.m.
	5	Mon., Feb. 16*	8:00 a.m. – 10:00 a.m.
4. RUSTON DIESEL ENGINE Ruston diesel engine full-load/ constant-speed test	2	Mon., Mar. 1	10:00 a.m. – 12:00 p.m.
	4	Mon., Mar. 1	1:00 p.m. – 3:00 p.m.
	1	Mon., Mar. 8	10:00 a.m. – 12:00 p.m.
	3	Mon., Mar. 8	1:00 p.m. – 3:00 p.m.
	5	Mon., Mar. 8	8:00 a.m. – 10:00 a.m.
5. ROVER GAS TURBINE Rover IS/60 gas turbine full-load/ constant-speed test	2	Mon., Mar. 15	10:00 a.m. – 12:00 p.m.
	4	Mon., Mar. 15	1:00 p.m. – 3:00 p.m.
	1	Mon., Mar. 22	10:00 a.m. – 12:00 p.m.
	3	Mon., Mar. 22	1:00 p.m. – 3:00 p.m.
	5	Mon., Mar. 22	8:00 a.m. – 10:00 a.m.

*The deadline of lab reports for this session is March 1, 2004 before 5:00 p.m.

NOTES:

- (i) Attendance over the full duration of the labs is mandatory. You need to sign in and out for each lab.
- (ii) Labs take place in the basement of East Kerr Hall: Room **KHE29**
- (iii) Submission of laboratory reports: **Assignment-box** (Leong, W. - box 13) in front of “the Vault”
(near the Department)
- (iv) No lab in the first week of class (Jan. 5-9).
- (v) No lab in the Study Week (Feb. 23 – 27).