PHY 305F – ELECTRONICS LABORATORY I
Fall Semester 2003
GENERAL INFORMATION

LECTURER: Prof. Kimberly Strong
Room MP710A, Tel: 946-3217, Email: strong@atmosp.physics.utoronto.ca

DEMONSTRATOR: Denis Dufour
Room MP622A, Tel: 946-7543, Email: denis@atmosp.physics.utoronto.ca

LECTURES: 9:10-10:00 AM, Tuesdays, room **MP713 (note change of room)**

LABS: 1:00-4:00 PM, Mondays, room MP238
Attendance during this time is mandatory. You may also work in the lab 9 AM to 5 PM, Monday through Friday except for Tues 9-12, Wed 3-5, Thurs 9-12 & 1-4, and Fri 2-5 when MP238 is being used for other courses.

LAB SIGN-IN: A sign-in sheet will be posted in MP238 for each experiment. Please sign in your attendance whenever you are using the lab.

HOME PAGE: http://www.atmosp.physics.utoronto.ca/people/strong/phy305/phy305.html

MARKING: 100% Labs (equal marks for 8 experiments)
Marks will be based on your lab work and your notebook record.
Late penalty = 5% per day, up to 7 days, after which notebooks will not be accepted.

TEXTBOOK: There is no course textbook. Lectures will be posted on the course home page. Much of the course material is covered in the following books.

REFERENCES: *For the following, one copy is on reserve in the Physics Library, and one copy is on short-term (24-hour) loan in the Engineering Library. There are many other textbooks that cover similar material – feel free to find your own references.*

(1) Microelectronic Circuits, Sedra & Smith, TK 7867 S42 D.
(2) Applications of Operational Amplifiers, Graeme, TK 7871 .58 06G6 (not in Eng.)
(3) Electronic Circuits, Amplifiers, and Gates, Bugg, TK 7815 B83D.
(4) The Art of Electronics, Horowitz and Hill, TK 7815 H67.
(5) Principles of Electronics, Analogue and Digital, Fortney, TK 7816 F67.
(6) Electronic Circuits and Applications, Senturia and Wedlock, TK 7867 S46.
(7) Introductory Electronics for Scientists and Engineers, Simpson, TK 7816 S545.
(8) Principles of Electronic Instrumentation, Diefenderfer, TK 7878 .4 D5.
(9) Principles and Applications of Electrical Engineering, Rizzoni, McGraw Hill 2000.

INSTRUMENT INFO: On UPSCALE, at http://www.upscale.utoronto.ca/specs/specs.html

U/G LAB RESOURCE CENTRE: http://faraday.physics.utoronto.ca/Wicket/
Phil Scolieri (room MP127) can help with ordering lab supplies.

SAFETY: Safety is everyone's responsibility. The staff does their utmost to ensure a safe learning environment, but students should always consider any potential risks involved in an experiment. Food and drink are not allowed in the laboratory.

LOCKERS: Every student will be assigned a locker with a combination lock. It is your responsibility to look after the equipment in your locker during the term.