BME 498: ST: BIOMEDICAL INSTRUMENTATION LABORATORY
CLASS SCHEDULE – FALL 2008

Date	Week	Wednesday (Lab)	Friday (Lecture)
September 3 & 5	1	Introduction to the Course Review of Electronic Components, Lab Instruments and Standards	Review of Basic Sensors and Working Principles
September 10 & 12	2	Lab 1: Digital Clock	Discussion of Previous Laboratory Exercise and Introduction to the next week's Lab
September 17 & 19	3	Lab 2: Digital Voltmeter	Same as Above
September 24 & 26	4	Lab 3: Digital Thermometer	Same as Above
October 1 & 3	5	Lab 4: Wheatstone bridge amplifier to measure blood pressure	Same as Above
October 8 & 10	6	Lab 8: Using CMRR to Eliminate 60Hz: Balancing Amplifier Inputs	Same as Above
October 15 & 17	7	Lab 5: Optical Heart Rate Monitor from the Ear Lobes	**Midterm**
October 22 & 24	8	Lab 6: Rectifier-Averager for obtaining EMG Signal Envelope – Part I	Same as Above
October 29 & 31	10	Lab 6: Rectifier-Averager for obtaining EMG Signal Envelope – Part 2	Same as Above
November 5 & 7	11	Lab 7: Acquiring EEG with LabVIEW and Filtering in Matlab – Part I	Same as Above
November 12 & 14	12	Lab 7: Acquiring EEG with LabVIEW and Filtering in Matlab – Part 2	Same as Above
November 19 & 21	13	Lab 9: Measuring the Transfer Function of a Practical Electrode	Same as Above
November 26 (Wed Only)	14	**Class Meets 10 to 11am** Assigning Term Projects to Groups	Thanks Giving Break
December 3 & 5	15	Term Project-Circuit Building and Testing	Discussions on Term Project Results
December 10	16	Project Demonstrations	**No Class**

Final Exam will be scheduled by the University.