

# Schedule

|    | Dates         | Lecture (Mon)  | Reading   | Lab I (Wed)   | Lab II (Thu)                     |
|----|---------------|--|---|---|----------------------------------|
| 1  | 9/2 - 9/5     | Labor Day  | S: Ch.1 (review)<br>S: Ch. 2 (focus: 2.9 - 2.13)                  | Lab Ticket 1 due  |                                  |
| 2  | 9/8 - 9/12    | (I) Impedance of Passive Elements                            |   | Lab Ticket 2 due<br>Finish up Impedance Lab                             |                                  |
| 3  | 9/15 - 9/19   | (II) Transistor: Stable Common Emitter Circuit               | S: Ch. 4 (review)<br>S: Ch. 5 (focus: 5.1 - 5.7)                  | Lab Ticket 3 due<br>Report 1 due*                                       |                                  |
| 4  | 9/22 - 9/26   | (III) Operational Amplifiers                                 | S: Ch. 9 (focus: 9.1, 9.4, 9.6-9.8)                               | Lab Ticket 4 due<br>Report II due*                                      |                                  |
| 5  | 9/29 - 10/3   | (IV) Active Filters  | S: Ch. 11.1 - 11.6  | Lab Ticket 5 due<br>Report III due*                                     |                                  |
| 6  | 10/6 - 10/10  | (V) Switches   | S: Ch. 5.11; 10.14, 10.19<br>S: Ch. 12.7.8                        | Lab Ticket 6 due<br>Report IV due*                                      |                                  |
| 7  | 10/13 - 10/17 | (VI) Logic Gates and Flip Flops                              | S: Ch. 12.1 - 12.5, 12.8.6 - 12.8.7<br>S: Ch. 13.1 - 13.4, 13.5.8 | Lab Ticket 7 due<br>Report V due*                                       |                                  |
| 8  | 10/20 - 10/25 | Fall break   |   |   |                                  |
| 9  | 10/27 - 10/31 | (VII) Loops & Plotting (LV1)                                 | E: Ch. 1 - 2  | Report VI due*  |                                  |
| 10 | 11/3 - 11/7   | (VIII) MathScript, Data Acquisition (LV2)                    | E: Ch. 3 - 4  | LV Assignment 1 due*  |                                  |
| 11 | 11/10 - 11/14 | No Lecture   | E: Ch. 5 - 8  | LV Assignment 2 due*  |                                  |
| 12 | 11/17 - 11/21 | (IX) Data Files; Shift Reg.; Case & Sequence Structure (LV3) | E: Ch. 9 - 10   |   |                                  |
| 13 | 11/24 - 11/26 | (X) Curve Fitting and FFT; Digital Thermometer (LV4)         |   | Wed.: LV Assignment 3 due <sup>#</sup> , Makeup Lab                     | Thu. Thanksgiving                |
| 14 | 12/1 - 12/5   | (XI) PID Temperature Control (LV5)                           | E: Ch. 12<br>E: Appendix I  | LV Assignment 4 due <sup>#</sup>  |                                  |
| 15 | 12/8 - 12/10  | Last Lecture   |   | LV Assignment 5 due <sup>\$</sup><br>Lab open during reading/final week |                                  |
|    |               |  |   | regular time  | Thu. lab meets on <b>Tuesday</b> |

\* The **reports** are due 11:00 (11 AM) on the **day of your lab**.

# The **LV assignment** write-ups are due on **Friday** at 11 AM (assignment 3 & 5 are exceptions).

\$ The **Final Project (LV 5)** is has to be turned in by **12/19**, 12/10 is recommended.

- The lab tickets are due at the beginning of your lab, i.e. 13:10.

- The next week's assignment will be given out in lab lecture the week of the lab.

S: R. E. Simpson

E: John Essick