

Course Information Sheet – ETec 351
Electronics for Engineering Technology II – Fall 2005

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Grades: Homework and Quizzes (25), Labs (25), Tests and Final Exam (50)

Text: *Circuit Analysis with Devices* by Robbins & Miller

This course will focus on basic DC and AC circuit analysis. The behavior of the passive circuit elements (Resistance, Capacitance, and Inductance) will be studied separately and in combination with each other. Basic magnetic circuits will be studied. The laboratory exercises will attempt to demonstrate useful applications of the concepts studied in the classroom.

Because our textbook is designed for students majoring in electronics some sections of the text dealing with advanced topics will not be covered. It is most important that you become an informed user of electrical and electronic devices and develop skill in using electronic measuring devices. It is much less important that you develop electronic design skills.

Please strive to submit homework assignments and laboratory reports on schedule so that I can grade and return them in a timely manner. Please identify each homework assignment submitted by clearly showing the chapter and problem set span at the top of the first page. Laboratory reports should have a cover page, an introduction, and a brief description of the procedure. The results must be tabulated with a column devoted to reporting the percent differences between predicted and measured results. Your conclusions must convince the reader that learning took place. Laboratory grades will be based on technical accuracy, professional presentation, and proper use of the English language. Original data and any laboratory handouts **MUST** be attached as the last pages of the report.

You will present a project during the final week of the quarter based on your investigation of a particular aspect of fundamental electricity or electronics. More information will be provided shortly.