

Guide to the EI Website: <http://www.ecse.rpi.edu/courses/S13/ENGR-2300/ElecInst.html>



Staff, Schedule & Announcements (ENGR-2300)

ELECTRONIC **EI** INSTRUMENTATION

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Please check for updates on a regular basis.

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At the top of the page, you will find a menu that will provide you access to most, but not all, of the information for EI. Key secondary pages are marked with  Documents in pdf format are indicated by 

Staff/Students: Contact information for the instructor and the TAs, office hours, grading responsibility, etc.

Schedule: Meeting times for classes and quizzes and the specific dates and locations for the four quizzes.

 **HW Topics:** This link is buried in the table that lists meeting times for classes and quizzes. It lists the specific topics addressed in the homework problems, which should help with review before you do your first attempt.

Announcements & Tweets: Class announcements, including grade distributions for quizzes, and instructions for using the printers in the classroom (not generally recommended).

Resistor Color Code: Handy information on decoding the colored stripes on resistors.

LMS: Access to LMS where you will find the online homework assignments, video lectures and links back to the key parts of the EI website.

Syllabus: The course syllabus

Calendar: Class-by-class breakdown of activities; dates for quizzes; due dates for homework, experiments and projects.

YouTube: Prof. Connor's YouTube channel where you will find all of the video lectures for EI, Mobile Studio and PSpice.

ELECTRONIC **E I** INSTRUMENTATION

Links by Experiment (ENGR-2300)

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Experiment 2	Project 2
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Experiment 4	Project 4
Experiment 5	General Info
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Experiment 8	Report Info



Links by Experiment: Access to all information required to do the experiments, projects and extra credit assignments.

Links to Other Key Pages: For convenience, there are links to the other key pages including the main page, the quiz page, the lectures page, makeup form, etc. are found at the top of this page, the lecture page and the quiz info page.

Experiments: Links to the instructions, PowerPoint slides, required and optional background materials for each experiment.

Projects: Links to the instructions, PowerPoint slides, required and optional background materials for each project.

General Info: Very useful information for all experiments and projects including how to connect to the Mobile Studio and Troubleshooting and Debugging info. There are many little details that can go wrong when doing experiments or running simulation programs

like PSpice. Information on what to do when problems occur can be found in the Troubleshooting guide, which is updated whenever something new is discovered. The Concepts and Troubleshooting document lists a couple of issues to be considered for each experiment and project. The remaining links take you to other generally useful information, but are probably a little less useful than the ones specifically mentioned here.

Extra Credit: Some options for extra credit.

Textbooks: We only have a recommended textbook for this course because essentially all of the information it contains can be found online. Some very sources are listed here. You should find one that works well for you.

Report Info: For experiments, we do not require a standard formal report. You should read over the guidelines contained in the links provided here so you understand how you are being asked to prepare the report we do require.

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Test Information (ENGR-2300)

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Quiz Information: [Quiz 1](#) | [Quiz 2](#) | [Quiz 3](#) | [Quiz 4](#)

Quizzes are all closed book and closed notes.

Students are permitted to bring pencils, erasers and a calculator.

No laptops, no phones or any other equipment or materials are necessary or permitted.

Copies of the appropriate crib sheets (see below) will be handed out with each of the quizzes.

Crib Sheets: [Quiz 1](#) [Quiz 2](#) [Quiz 3](#) [Quiz 4](#)



Information about Quizzes: Access to all information required to prepare for the four quizzes, including several copies of old quizzes with solutions, the crib sheets you will get with the quiz and a list of possible questions for each quiz.

Links to Other Key Pages: For convenience, there are links to the other key pages including the main page, the quiz page, the lectures page, makeup form, etc. are found at the top of this page, the lecture page and the quiz info page.

Quiz Information: This is organized by quiz.

Quiz Crib Sheets: Also organized by quiz. It is a good idea to use these regularly.

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Lectures (ENGR-2300)

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Experiment 1	Project 1
Experiment 2	Project 2
Experiment 3	Project 3
Experiment 4	Project 4
Experiment 5	Quiz Review
Experiment 6	Background
Experiment 7	Tools
Experiment 8	



Lectures: Access to all video lectures organized by tools, background/fundamentals, experiments, projects and quiz review.

Links to Other Key Pages: For convenience, there are links to the other key pages including the main page, the quiz page, the lectures page, makeup form, etc. are found at the top of this page, the lecture page and the quiz info page.

Tools: Videos on the Mobile Studio, PSpice and the components and hardware we use.

Background/Fundamentals: Generally cross-cutting topics such as complex arithmetic, transfer functions, transformers, Thevenin sources, etc.

Experiments & Projects: These are largely the lectures that were given on a weekly basis to prepare for the experiments and projects.

Quiz Review: There are a series of short videos reviewing the topics for each of the four quizzes.

Open Shop: The schedule for our classroom (JEC 4201), which is shared with LITEC and Electric Circuits. Shown are the times when the classes meet, open shop times and times when the room is closed and locked.



Attendance and Participation Grading: Information on attendance and grading policies.



Attendance Makeup Form: A pdf document you need to get signed by a TA during open shop to make up for missed classes.