Course and Contact Information
Instructor: David Parent
Office Location: Engineering Building Room 355
Telephone: (408) 924-3963
Email: David.Parent@sjsu.edu
Office Hours: Make an appointment here.
Class Days/Time: R 12-2pm
Classroom: ENGR 339
Prerequisites: EE110/EE110L co-requisites

Course Format
Technology Intensive, Hybrid, and Online Courses (Required if applicable)
This is a face to face workshop that will use a variety of learning activity types included flipped-classroom, active learning, problem solving, and lecture. The course content will be delivered via CANVAS. The software used is free (LTspice) but runs best on a PC. A laptop while not required for all class meetings, is highly recommended for some activities.

Faculty Web Page and MYSJSU Messaging (Optional)
Course materials such as syllabus, handouts, notes, or assignment instructions, can be found on the Canvas Learning Management System course login website at http://sjsu.instructure.com. You are responsible for regularly checking your email from the address at @sjsu.edu, not your preferred email.

Course Description
The workshop is designed to help all students excel in EE110. Students work in groups on challenging circuit analysis and systems problems to help them understand the concepts in EE110 more deeply and lay the groundwork for success in future EE courses.

Course Learning Outcomes (CLO)
Upon successful completion of this course, students will be able to:
1. Create a study plan to succeed in not only EE110 but other courses.
2. Identify and apply study habits that lead to mastery of EE110.
3. Create and evaluate potential exam questions for EE110.
4. Work in small teams.
5. Identify weaknesses in their own knowledge of EE98 (Review) and EE110.
6. Give and revise feedback from peers.
7. Document EE110L project for resume.

**Required Texts/Readings**

**Textbook**


**Other Readings**

All videos, notes, and manuals are in the EE110 canvas shell.

**Other technology requirements:**

Laptop (PC preferred), LTspice, Excel, Word, Python 2.7

**Course Requirements and Assignments**

The workshop consists of daily active learning activities that are posted in the schedule.

“Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.”

**Grading Information:**

In class activities: 100%. Each activity is worth the same amount. Each activity is graded Credit/No Credit

**Determination of Grades:**

Students who have completed 80% or more of the in class activities will earn a Credit (CR). Students who have completed less than 80% of the in class activities will earn a No Credit (NC).

**Classroom Protocol**

Students are expected to be activity engaged in the day’s activities, and come prepared to participate.

**University Policies**

Per University Policy S16-9 ([http://www.sjsu.edu/senate/docs/S16-9.pdf](http://www.sjsu.edu/senate/docs/S16-9.pdf)), relevant information to all courses, such as academic integrity, accommodations, dropping and adding, consent for recording of class, etc. is available on Office of Graduate and Undergraduate Programs’ [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at [http://www.sjsu.edu/gup/syllabusinfo/](http://www.sjsu.edu/gup/syllabusinfo/)
### EE110W, Fall 2019 Course Schedule

#### Topics, Readings, Assignments, Deadlines

*Topics and readings are Published in the EE98 Canvas Shell.*

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topics, Readings, Assignments, Deadlines</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Introductions/Team building (Need to think of some exercise next fall)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Signals Activity (Python?) Help with HW?</td>
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<tr>
<td>3</td>
<td></td>
<td>Teacher for a day (Choose topic)</td>
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<tr>
<td>4</td>
<td></td>
<td>Creating typical exam problems</td>
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<tr>
<td>5</td>
<td></td>
<td>Midterm 1 problem solving session</td>
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<tr>
<td>6</td>
<td></td>
<td>OPAMP Review activity</td>
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<tr>
<td>7</td>
<td></td>
<td>Phasor Review activity</td>
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<tr>
<td>8</td>
<td></td>
<td>Teacher for a day 2 (Choose topic)</td>
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<tr>
<td>9</td>
<td></td>
<td>DF2 Filter synthesis activity</td>
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<tr>
<td>10</td>
<td></td>
<td>Control Systems activity</td>
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<tr>
<td>11</td>
<td></td>
<td>Midterm 2 problem solving session</td>
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<tr>
<td>12</td>
<td></td>
<td>Review MT2 activity</td>
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<tr>
<td>13</td>
<td></td>
<td>Stability review activity</td>
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<tr>
<td>14</td>
<td></td>
<td>System ID activity</td>
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<tr>
<td>15</td>
<td></td>
<td>Document EE110L project for resume</td>
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<tr>
<td>16</td>
<td></td>
<td>Final Exam problem solving session</td>
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<tr>
<td>Final Exam</td>
<td></td>
<td>Not applicable, it is a workshop. The culminating experience is the EE110 final and EE110L project</td>
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</tbody>
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