Instructor: Arn Stolp  
Office: MEB 2262  
Phone: U of U: 581-4205  
Only if it’s important: Cell: (801) 657-7766  
E-mail: arnstolp@ece.utah.edu (I rarely check my e-mail, so let me know by some other method if you send me email that I need to read.)  
Office hours: My “office hours” are the problem sessions. Otherwise it’s catch me if you can. If I’m not in my office, check the lab. To increase your chances, talk to me in class to say when you’d like to see me. I teach another class at 2:00 p.m. T & Th. If I’m not in my office, check the labs.  
Web Site: http://www.ece.utah.edu/~ece2210/index2200.html  
Required books and lab supplies:  
Practical Electronics for Inventors, 3rd or 4th Ed, by Paul Scherz  
Ring binder & possibly class material packs (available from bookstore)  
Lab notebook (bound or spiral)  
Breadboard & Lab parts available for purchase at lab (~$14 on your U-card)  
Prerequisites:  
MATH 2250 and PHYCS 2210, PHYCS 2220 is strongly recommended  
Introduction:  
In case you haven’t noticed, you’re surrounded by electrical and electronic devices. Electrical motion, measurement and control are powerful and cheap, so they’re used everywhere and are part of every technical career, including yours. Maybe you can find a job where other people make all the decisions concerning wiring, power distribution, electric motors, communications systems, instrumentation, and control; but do you really want that? Do you really want to be the clueless one?  
ECE 2200 will introduce you to some of the basics of electrical engineering. This may not seem important now, but I think you will find these concepts very useful in your future classes and jobs. Besides, they’ll help you pass the FE exam, and that should be of immediate concern.  
I teach concepts and the use of those concepts to solve problems, not formulas and memorization. The hands-down easiest way get a good grade in this class is to learn those concepts.  
This class consists of:  
Lectures: T & H 9:10 -10:10 am in WEB 2230  
Lectures set the direction and tone of the class and cover more than the written material. You will be held accountable for everything discussed in the lectures, so your attendance is important.
**Problem Sessions:** T & H 10:10 -10:30 am in WEB 2230 (directly after class)  
We cover a lot of material in this class and there is rarely enough lecture time to work examples or to answer your questions in detail. I will not cover new material in the problem session, so you can get by without staying, but I think you’ll find it worth your while.

**Textbook:**  
The text contains a great deal of practical, useful information beyond the theoretical material we cover in this class. It should prove to be a good reference. The reading page numbers are for the 3rd edition (4th edition page may be a little different).

**Handouts:**  
There will be a lot of handouts for, homework, labs, notes, etc.. I will hand these out before class and/or place them by the doors, look for them as you enter class. I will leave any extras outside my office until they are all gone (my virtual web site). You may also have to buy one or more copy packets. Many of the handouts may be downloaded from the class web site; http://www.ece.utah.edu/~ece2210/index2200.html.

**Homework, homework, and more homework:**  
I will assign many problems for you to turn in, most of which will come from hand-outs, expect homework at every lecture. Homework will be your main study tool. As such, I'll give you all the answers so that you can check your work immediately. In fact, you’ll have to self-correct your homework. If you can’t get the answer, check the web site for corrections, study some more, come to the problem session, ask for help, or see the posted solutions. Sometimes I even post solutions before the homework is due. So, you might ask, “Why is it handed in and ‘graded’?” Well, to answer a question with a question, “Would you even do it otherwise?”

Your homework should be neat and clear and show all your work. For most problems the grader will simply check to see that you’ve done it and that your paper shows the necessary work to get the answer. Only a few problems will be checked in greater detail. You may collaborate with others to learn how to do the homework, but will need to hand in your own work. Copying or allowing another student to copy your work is considered cheating.

You will probably learn more from doing the homework than any other part of this class. If you thoroughly understand the homework, you will know what the class is about, and the exams should give you no trouble.

On the 2nd floor of MEB, in center hallway, you’ll find some lockers with slots in the doors. Drop your homework in the ECE 2210 HOMEWORK locker by 5:00 p.m. of the due date. I will accept some late homework for some credit. Bring it directly to me, and don’t do it habitually. Solutions will be posted in a glass case near my office. Graded homework, lab notebooks and exams will be returned to a file cabinet in MEB 2210 according to a folder number you will receive later. Once you get your number, you should write it on the upper left-hand corner of everything you hand in. Your material will be an unlocked drawer and will not be secure. If you want your material returned to a locked location, simply remove your file and slip it under my office door.
Midterm:  100 pts.

One 50-minute midterm will cover material up to the time of the test. My exams are
designed to see if you learned concepts and problem solving strategies and whether
you can work with them, sometimes in new and different ways. Don’t try to memorize
formulas or specific problems. Exams also cover what you learn in the labs. All exams
are closed book, closed notes, no phones, tablets or computers allowed.

Final:  In your last lab (ask 1st day), or Thursday, 9:10am 10/19/17 (Recommended)  100 pts.
The 50 minute final will be comprehensive with greater emphasis on the most recent
material. I highly recommend that you take the exam at the later date so that you will
have enough time to study. If you want to take the your final in your last lab, you will
need to tell me at the first class so that you can start labs the first week. If you say
nothing the first day then you will have to take the later exam (which is the best choice
by far).

Labs:  MEB 2265  60 pts.
Lab will be held every week, including the last week of class. Lab may start the first
week of class—listen in class the first day for details. Many of the subjects covered in
lab aren’t covered anywhere else in class, so make sure you pay attention and read the
lab instructions. You will have to keep a laboratory notebook as a requirement of the
lab. Your lab TA will collect and grade these notebooks.

Labs are not optional. For each lab that you miss or fail ( < 60% score ), your final
grade will suffer a half letter drop (5% of possible points). Be sure to make-up any
labs you miss or fail.

Grades:

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<th>Pts</th>
<th>% of total</th>
<th>Grade</th>
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<tr>
<td>Homework:</td>
<td>50</td>
<td>&gt; 93</td>
<td>A</td>
</tr>
<tr>
<td>Labs:</td>
<td>60</td>
<td>90-93</td>
<td>A-</td>
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<tr>
<td>Midterm:</td>
<td>100</td>
<td>87-90</td>
<td>B+</td>
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<tr>
<td>Final:</td>
<td>100</td>
<td>83-87</td>
<td>B</td>
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<td>Total:</td>
<td>310</td>
<td>80-83</td>
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<td></td>
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<td>77-80</td>
<td>C+</td>
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<td>Failed lab:</td>
<td>-15</td>
<td>73-77</td>
<td>C</td>
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<td>70-73</td>
<td>C-</td>
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<td>Cheating:</td>
<td>-310</td>
<td>67-70</td>
<td>D+</td>
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If you want any deviations from the normal requirements (say credit for labs, you’ve
done before) you will need to see me before the work would normally be due and get an
agreement in writing. You’ll need to turn in your copy of the agreement with your final,
so I’ll remember to grade you properly.
Appeals Procedures

See the Code of Student Rights and Responsibilities, located in the Class Schedule or on the UofU Web site for more details.

Appeals of Grades and other Academic Actions

If a student believes that an academic action is arbitrary or capricious, he/she should discuss the action with the involved faculty member and attempt to resolve. If unable to resolve, the student may appeal the action in accordance with the following procedure:

1. Appeal to Department Chair (in writing) within 40 business days; chair must notify student of a decision within 15 days. If faculty member or student disagrees with decision, then,


Withdrawal Procedures

See the Class Schedule or web for more details. ** Please note the difference between the terms “drop” and “withdraw.” Drop implies that the student will not be held financially responsible and a “W” will not be listed on the transcript. Withdraw means that a “W” will appear on the student’s transcript and tuition will be charged. **

Drop Period – No Penalty

Students may DROP any class without penalty or permission during the FIRST TEN academic days of the term (Friday, September 22, 2016 to Friday, October 27, 2016).

Withdrawal from Full Term Length Classes

Students may WITHDRAW from classes without professor’s permission until Friday, October 27, 2016. Between September 22 and October 27, a “W” will appear on the transcript AND tuition will be charged. Refer to Class Schedule, Tuition and Fees for tuition information.

Withdrawal from Session I & Session II

See the web page for details:
http://registrar.utah.edu/academic-calendars/fall2013.php

Withdrawals after October 27 will only be granted due to compelling, nonacademic emergencies. A petition and supporting documentation must be submitted to the Dean’s Office, 1602 Warnock Engineering Building or University College (450 SSB) if you are a pre-major. Petitions must be received before the last day of classes (December 8, 2016).

Americans with Disabilities Act (ADA)

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you need accommodations in a class, reasonable prior notice needs to be given to the instructor and to the Center for Disability Services, 162 Olpin Union, 581-5020 (V/TDD) to make arrangements for accommodations. All written information in a course can be made available in alternative format with prior notification to the Center for Disability Services.

Repeating Courses

When a College of Engineering class is taken more than once, only the grade for the second attempt is counted. Grades of W, I, or V on the student’s record count as having taken the class. Some departments enforce these guidelines for other courses as well (e.g., calculus, physics). See an advisor or departmental handbook. Students should note that anyone who takes a required class twice and does not have a satisfactory grade the second time may not be able to graduate.

Adding Classes

Please read carefully: All classes must be added within two weeks of the beginning of the semester (deadline: Friday, September 2). Late adds will be allowed September 2-11, requiring only the instructor’s signature. Any request to add a class after September 11 will require signatures from the instructor, department, and Dean, and need to be accompanied by a petition letter to the Dean’s office.

A $50 FEE WILL BE ASSESSED BY THE REGISTRAR’S OFFICE FOR ADDING CLASSES AFTER SEPTEMBER 12TH. **