

# ECEN 301 – Elements of Electrical Engineering

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## ◆ **Section 001-003**

**MWF 1:00 – 1:50 PM**

**381 CB**

◆ **Instructor:** Nathan Rollins

**Office:** CB ?, 422-7206

**Email:** [nhrollins@gmail.com](mailto:nhrollins@gmail.com)

◆ **Office Hours:** By Appointment

# Course Information

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- ◆ **TEXT:** “*Principles and Applications of Electrical Engineering*”  
5<sup>th</sup> Ed
  
- ◆ Make use of Blackboard
  - ▲ homework
  - ▲ labs
  - ▲ quizzes
  - ▲ lecture slides
  
- ◆ Course website: <http://www.et.byu.edu/groups/ece301web/>
  
- ◆ Complete assigned reading and attend class!



# Syllabus

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## ◆ Class consists of 3 lectures a week:

### ▲ Mon and Wed – Lecture in 381 CB

- Reading assignment due each class

### ▲ Fri – Recitation in 381 CB

- Lab information session
- Homework information session
- Quizzes given
- Exam review

# Organization and Grading

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- ◆ This class consists of reading, lecture, quizzes, homework, labs, midterms, and a final. Each has a weighted contribution to your final grade.

- ▲ **Homework:** 15%

- ▲ **Labs:** 20%

- ▲ **Quizzes:** 10%

- ▲ **Midterms:** 30%

- ▲ **Final:** 25%

# Grades

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- ◆ Grades are assigned on the following scale from the composite total of above areas:

**A = 93%**

**C = 73%**

**A- = 90%**

**C- = 70%**

**B+ = 87%**

**D+ = 67%**

**B = 83%**

**D = 63%**

**B- = 80%**

**D- = 60%**

**C+ = 77%**

**E = below 60%**

# Homework (15%)

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- ◆ Homework assignments are designed to reinforce class material and help in exam preparation, and lab understanding.
- ◆ On the days that homework assignments are due, the TA will collect them from the homework box (SE corner on the CB 4<sup>th</sup> floor).
- ◆ Late homework will be given **50%** credit within the first 7 late days.
- ◆ Homework is late if it is not handed in **before 4pm** on the due date.

# Homework

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- ◆ You are welcome and encouraged to discuss the homework with your classmates and others. However, you are to do and submit your own work. Submitting someone else's work is considered cheating for which you will receive an E grade for the class and be reported to the Honor Code Office.

# Labs (20%)

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- ◆ There are 10 labs designed to emphasize topics discussed in class.
- ◆ Labs are held in **428 CB** and last for 3 hours:
  - ▲ Section 1      Mon   2pm-5pm
  - ▲ Section 2      Tue   12pm-3pm
  - ▲ Section 3      Thu   9am-12am
- ◆ You will need to purchase a lab kit and lab instructions from **416 CB**



# Labs

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- ◆ You will work in teams of 2 in the laboratory **but** each person must keep and submit individual reports
- ◆ A TA must **pass-off** each lab by the assigned due date
- ◆ Write-ups will be due before the start of the next lab
- ◆ Late labs will be penalized **10% per day** for up to 5 days

# Exams (15% per Midterm & 25% Final)

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- ◆ Midterms and the final exam are administered in the testing center.
- ◆ The midterms are available for 5 days.
- ◆ Two midterms are administered during the course of the semester.
- ◆ The final will be given during finals week at the testing center.

# Quizzes (10%)

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- ◆ Quizzes will be administered by TAs on Friday lectures
- ◆ If you have questions about the quizzes please address them to the TA who administered the quiz

# Grade Verification and Appeals Policy

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- ◆ It is the student's responsibility to verify that scores have been correctly recorded.
- ◆ If a lab score is incorrect on Blackboard, then the student should contact the TA who passed off the lab and not the instructor.
- ◆ The student can appeal a grade on a homework through email with any TA.
- ◆ The student can appeal a grade on an exam directly to their instructor through email.

# Academic Honesty

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- ◆ Academic honesty includes completing your own homework, labs, midterms, and final.
- ◆ Students should work together to help each other understand material, but should always turn in their own work.
- ◆ The first violation of academic honesty standards will result in the student failing the class.
- ◆ All violations of academic honesty are documented and reported to the Honor Code office.

# I Remember...

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10% of what I read, 

20% of what I hear, 

30% of what I see, 

50% of what I see and hear,  + 

70% of what I discuss with others,

80% of what I experience by doing,

95% of what I teach others.



# Miscellaneous...

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- ◆ TA's
- ◆ Help sessions
- ◆ Discussion board
- ◆ Office hours
- ◆ Time
- ◆ Questions?