

# EECE 281

## Sophomore Seminar

### Note Set #0

- Course Syllabus

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## Course Info

- Contact Info
- Syllabus & Course Outline
- Assignments

- Prof. Mark Fowler... [www.ws.binghamton.edu/fowler/](http://www.ws.binghamton.edu/fowler/)

Lecture Notes available on Blackboard

<http://blackboard.cc.binghamton.edu>

(I'll put the 1<sup>st</sup> few sets on my web page in case you haven't figured out Blackboard Yet!)

- This course was created in response to past students
  - Hope to provide early answers to
    - What have I gotten myself into?
    - What topics do practicing EE's and CoE's deal with?
    - What does it take to become a good engineer?
    - What are all those courses and how do they inter-relate?
  - If you put some honest effort & interest in, you'll get a lot out
    - Don't view it as just another "hurdle" you need to clear

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# Course Objectives

**Textbook:** Electrical  
Engineering Uncovered, 2<sup>nd</sup> Ed  
by White & Doering

- Provide an overview of EE & CoE topics so you can:
  - Describe the high-level view of engineering design and how engineers use models and mathematics
  - Define and correctly use general engineering terms and concepts such as design, constraint, and significant figures.
  - Describe the various specialties within electrical engineering and computer engineering
  - Analyze very simple circuits such as those containing a battery, switch, and circuit elements (e.g., resistors, capacitors, inductors, transistors, etc.).
  - Identify logic gates, and analyze the operation of a circuit of logic gates.
  - List the major functional elements of a digital computer, and define terms such as machine language ,assembly language, higher-level language, memory types.
  - Identify and describe applications of signals and systems in the areas of signal processing, control systems, and communication systems
  - Write effective summaries of technical material

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# Course Grading

- Your course grade will depend on:
  - **33%**: HW Assignments:
    - » some “problems”
    - » some “writing”
  - **33%**: Short Quizzes (announced, but might not be!!)
  - **33%**: Short written report at end of the semester
    - » Choose an EE/CoE-relevant topic and write a 4-page summary

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## Fall 2004 Deadlines

### September 10: Course Drop Deadline

Last day to drop a course without a notation of 'W' on student transcript.

### September 12: Course Add Deadline

Last day to add a course; exceptions by petition only.

### October 29: Course Withdraw Deadline

Last day to withdraw from a course with a notation of 'W' on student transcript. Exceptions are only considered for students with documented Extraordinary circumstances.

### October 29: Pass/Fail Deadline

Last day to choose the pass/fail grading option.

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