BME 373 Electronics II
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• Lesson #1
  – Amplifiers
  – Chapters 1 & 2
• Lesson #2
  – Solid State Circuitry
  – Diodes & Transistors
  – Chapter 3
• Lesson #3
  – MOSFETS
  – Sections 5.1-3
• Lesson #4
  – MOSFETS EQUIVALENT CIRCUITS
  – Section 5.4-6
• Lesson #5
  – Junction FETs
  – Section 5.7
• Lesson #6
  – Boolean Algebra and Basic Logic Gates
  – Section 6.1
• Lesson #7
  – Logic Gate Design Specifications
  – Section 6.2
• Lesson #8
  – FET Gates
  – Sections 6.3-9
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• Lesson #9
  – Circuit Analysis
  – Sections 8.1
• Lesson #10
  – FET
  – Section 8.2
• Lesson #11
  – Miller Effect
  – Section 8.3
• Lesson #12
  – Small Signal Equivalent Circuits for the BJT
  – Section 8.4-8.8
• Lesson #13
  – Feedback
  – Section 9.1-2
• Lesson #14
  – Impedances
  – Section 9.3-5
• Lesson #15
  – Transient and Frequency Response
  – Section 9.6-10
• Lesson #16
  – Oscillators
  – Section 9.11-12
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- Lesson #17
  - Comparators and Schmitt Triggers
  - Section 12.1
- Lesson #18
  - Astable Multivibrators
  - Section 12.2
- Lesson #19
  - Timers
  - Section 12.3
- Lesson #20
  - Rectifiers, Peak Detectors, Sample-and-Hold Circuits, Clamp Circuits
  - Section 12.4-7
- Lesson #21
  - D/A and A/D Converters
  - Section 12.8-10
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- Final 25%
- 3 Quizzes 45%
- Homework 20%
- Pop Quizzes/Classroom Participation 10%