Mastery Test Part 2 Results

Review Session for
"Basic Electricity"
A Fairfield University E-Course
Powered by LearnLinc

Module: Basic Electronics (AC Circuits and Impedance: two parts)

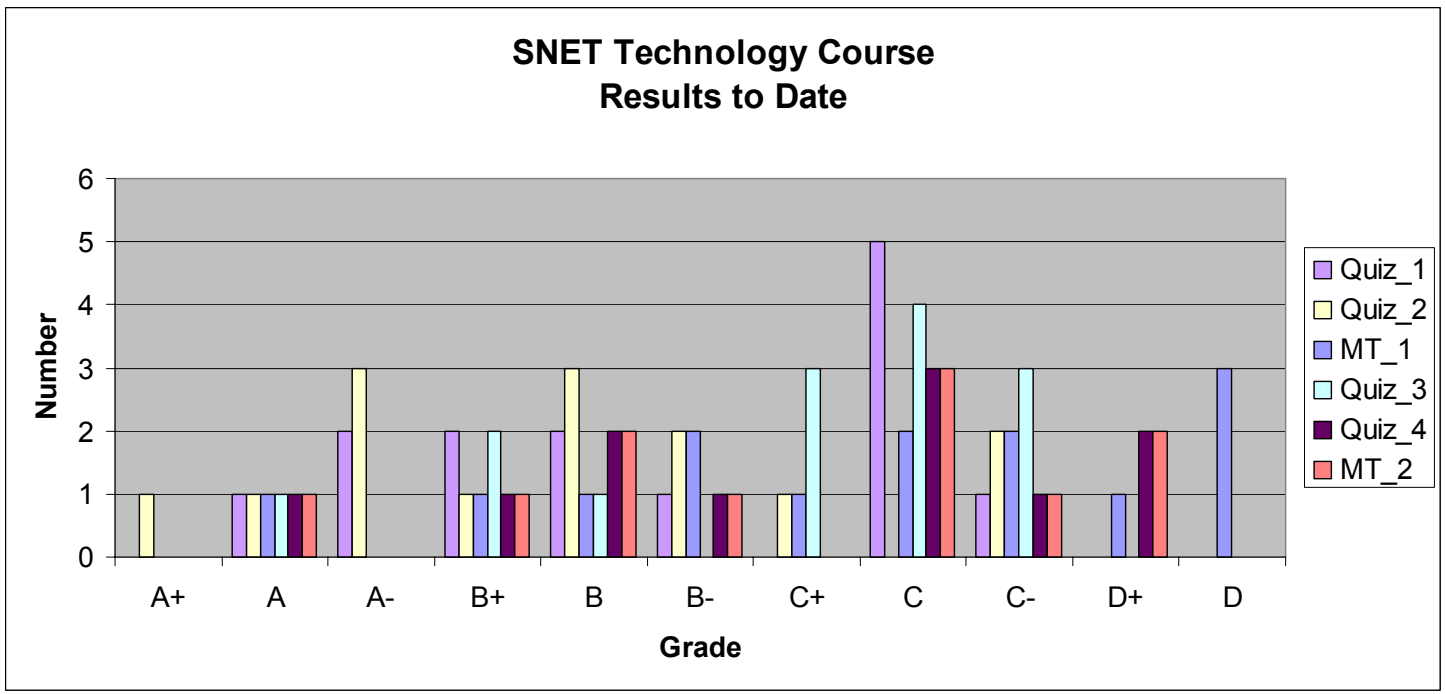
- Text: "Electricity One-Seven," Harry Mileaf, Prentice-Hall, 1996, ISBN 0-13-889585-6 (Covers much more material than this section)
- References:
  - "Digital Mini Test: Principles of Electricity Lessons One and Two," SNET Home Study Coordinator, (203) 771-5400
  - Electronics Tutorial (Thanks to Alex Pounds)
  - Electronics Tutorial (Thanks to Mark Sokos)
  - Basic Math Tutorial (Thanks to George Mason University)
  - Vector Math Tutorial (Thanks to California Polytec at atom.physics.calpoly.edu)
- Alternating Current and Impedance
  - 5 on-line sessions plus one lab
- Resonance and Filters
  - 5 on-line sessions plus one lab

Mastery Test

- Three Sessions –
  - Wednesday, 4 September at 9 am
    - 4 students
  - Monday, 9 September at 6 pm
    - 2 Students
  - Wednesday, 11 September at 7 pm
    - 2 Students
  - Saturday, 21 September at 9 am
    - 4 students
- 50 multiple choice questions – 2 points each

Results

- 9 out of 12 made it on the first try (two are ill)
  - 3 just passed
  - 1 barely missed passing; 2 need more study
  - 2 (maybe 3) of you should be about ready to retake MT 1



Mastery Test Part 2

- Let's go to the exam itself via AppShare and discuss the answers
- This part of the session will not be available for recorded review

Module: Semiconductor Electronics (in two parts)

- Text: "Electronics," Harry Kybett, Wiley, 1986, ISBN 0-471-00916-4
- References:
  - Electronics Tutorial (Thanks to Alex Pounds)
  - Electronics Tutorial (Thanks to Mark Sokos)
- Semiconductors, Diodes and Bipolar Transistors
  - 5 on-line sessions plus one lab
- FETs, SCRs, Other Devices and Amplifiers
  - 5 on-line sessions plus one lab
- Mastery Test part 3 follows this Module

Section 5: Semiconductors, Diodes and Bipolar Transistors

- 0BJECTIVES: This section reviews semiconductors, doping and junctions. The characteristics and application of Diodes and Bipolar Transistors are then studied.

Section 5 Schedule:

Session 5a	– 09/18	Semiconductors and Doping	Elect 1-7 1.23 – 1.39
MT2 Results	**– 09/23**	Review	
Session 5b	– 09/25	Diodes	Kybett Chapter 2
Session 5c	– 09/30	Diode Applications	Kybett Chapter 11
Session 5d	– 10/02	Bipolar Transistors	Kybett pp 51 - 70
(lab - 10/05, Sat.)			
Session 5e	– 10/07	Transistor Amplifiers	Kybett pp 173 - 201
(Quiz 4 due 10/12)			
Session 5f	– 10/14	Review (Discuss Quiz 4)	
Break to introduce Learnlinc version 6.1		About 2 weeks to set up the computers and retrain us	