

Review: Quiz 4

Session 4g of “Basic Electricity”
A Fairfield University E-Course
Powered by LearnLinc

Basic Electricity

Two Sections

- Electron Flow and Resistance
 - 5 on-line sessions
 - Lab
- Inductance and Capacitance
 - 5 on-line sessions
 - Lab

Mastery Test, Part 1

Basic Electricity (Continued)

- **Text:** “Electricity One-Seven,” Harry Mileaf, Prentice-Hall, 1996, ISBN 0-13-889585-6 (Covers several Modules and more)
- **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)

Section 3:

AC, Inductors and Capacitors

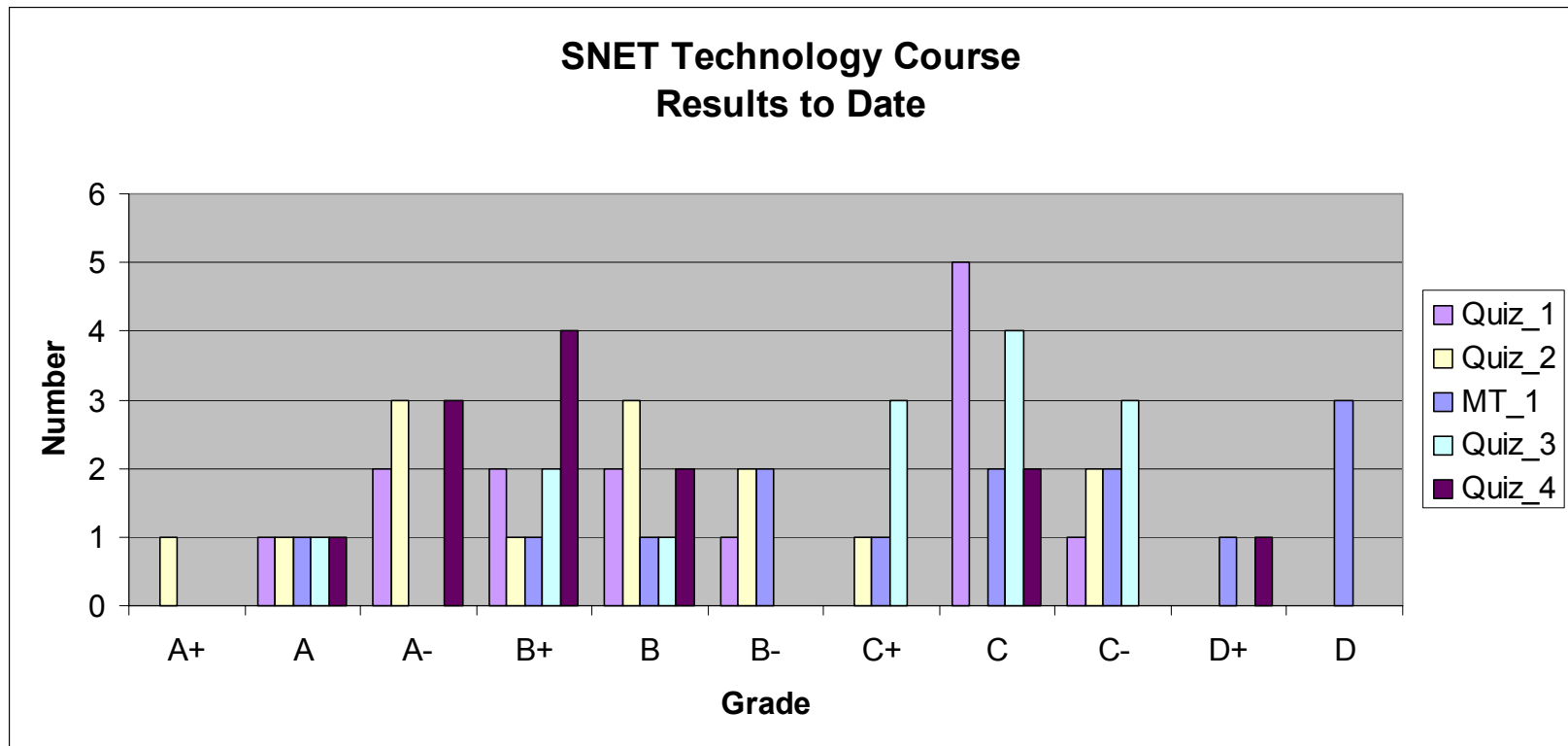
- **OBJECTIVES:** This section introduces AC voltage / current and their effects on circuit components (resistors, inductors, transformers and capacitors). The concept of impedance and the use of the vector analogy for computations is also introduced.

Section 4 Schedule:

Session 4a	– 07/08	Parallel L-C Circuits	Text 4.114 – 4.122
Session 4b	– 07/10	Parallel R-L-C Circuits	Text 4.123 – 4.132
(break for a week)		(no class on 07/15 or 07/17)	
Session 4c	– 07/22	Parallel Resonance	Text 4.133 – 4.146
Session 4d	– 07/24	Tuning and Filters	Text 4.147 – 4.153
Session 4e	– 07/29	Resonant Transformers and Impedance Matching	Text 4.154 – 4.160
Oops, no class	– 08/5-7		
Session 4f	– 08/12	Section 4 Review	
(Quiz 4 due 08/17)			
	08/17	Section 4 Lab	
Session 4g	– 08/19	Quiz 4 Review	
	– 08/21	MT 2 Review	

Quiz_4 Results

- The class had a B average – Nice Job.
- Some of you need to correct some deficiencies. there's still time to improve before MT2. Put in an extra effort as we review for it.



Quiz 4

- We'll use Appshare and Word to go over Quiz_4

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	08/17	Section 4 Lab	
Session 4g	– 08/19	Quiz 4 Review	
	– 08/21	MT 2 Review	