

# Quiz 11 Results

Part 11g of  
“Electronics and Telecommunications”  
A Fairfield University E-Course  
Powered by LearnLinc

# Module: Digital Systems (in two parts)

- Texts:
  - “Computers,” Capron, Benjamin Cummings, 1996, ISBN 0-10053-0662-5
  - “Telecommunications,” Blyth, McGraw-Hill, 1990, ISBN 0-02-61001041-2
  - “Understanding Telephone Electronics,” Bigelow, Newnes, 1997, ISBN 0-7506-9944
- References:
  - [Electronics Tutorial](#) (Thanks to Alex Pounds)
  - [Electronics Tutorial](#) (Thanks to Mark Sokos)
- Part 9 – Computers
  - 5 on-line sessions plus one lab
- Part 10 – Digital Communications
  - 5 on-line sessions plus one lab
- Mastery Test part 5 follows this Module

# Digital Systems: Topics

- Computer Architecture
    - Memory: ROM, RAM, Cache, Error Checking
    - CPU and Program Control **Part 9**
    - Secondary Storage: Floppy, Hard Drive, CD / DVD
    - I/O (Human: Video, Keyboard, & Pointer)
  - Digital I/O: Serial, Parallel, IDE, USB, FireWire, SCSI
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- Serial I/O: RS232
- Modems **Part 10**
  - Telephone: Modulation and Data compression
  - Cable and DSL
- Telephony Digital Transmission
- Packet Transmission
- Fiber Optics: SONET

# Section 11: Broadcast Systems

- Frequency Division Multiplexing
- AM
  - Modulation
  - Demodulation (The Envelope Detector)
- FM
  - Modulation
  - Demodulation (The Phase-Locked-Loop)
- Super Heterodyne Receivers
- Television
- Sampling

# Section 12:

## Transmission and Networks

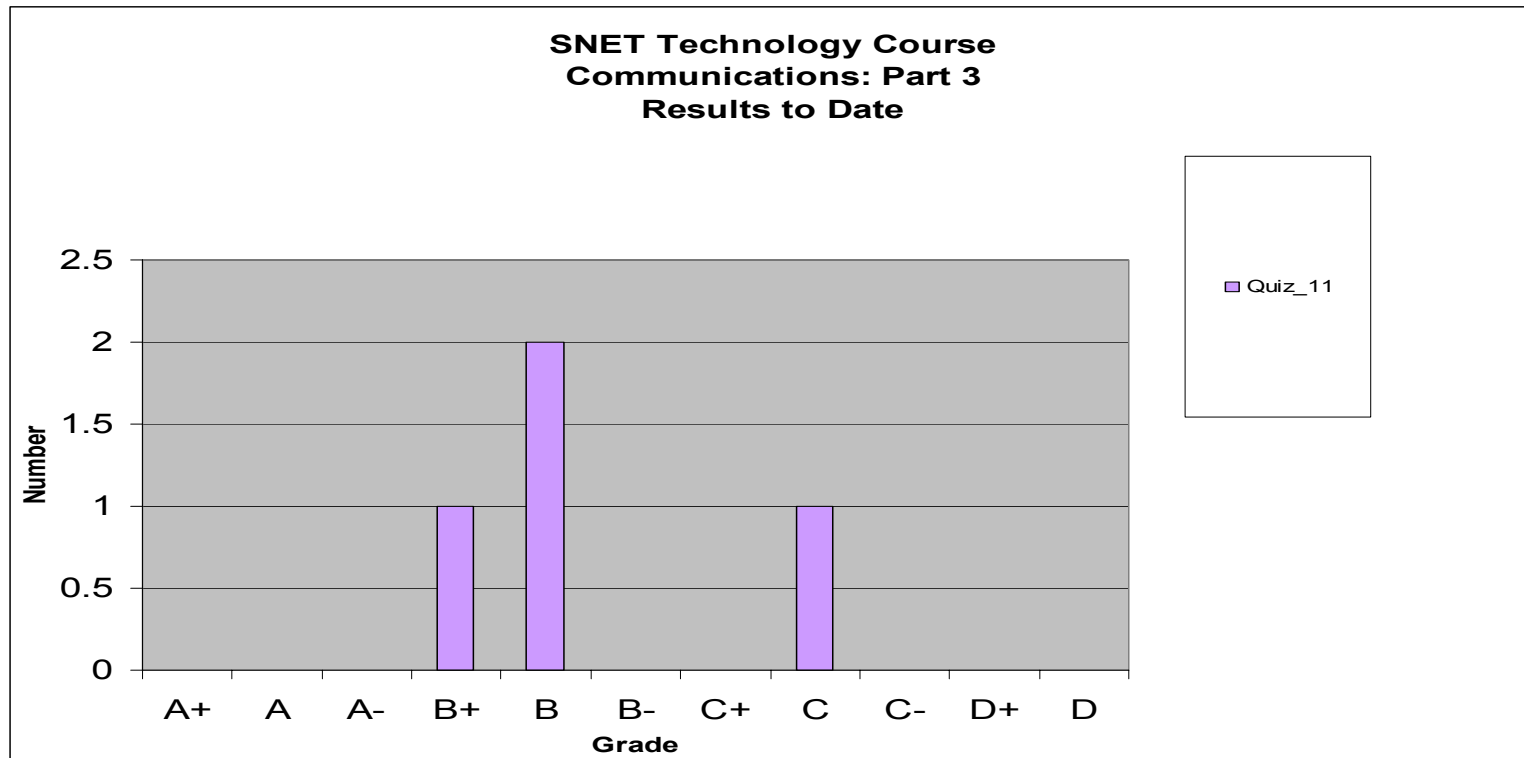
- Transmission Lines
  - Twisted pair
  - Coaxial Cable
  - Optical Fiber
- Microwave Systems
- Satellite Links
- Telephone Systems
- Local Area Networks
- Cellular Phone Systems

# Section 11 Schedule

Session 11a	08/25	Time and Frequency Multiplexing	Notes and Web Sites Bigelow: 167-206
Session 11b	08/27	AM Radio	Notes and Web Sites
Session 11c (Labor Day 09/01)	09/03	FM Radio	Notes and Web Sites
Session 11d	09/08	Transmitters & Receivers	Notes and Web Sites
Session 11e (Lab - 09/13, Sat.)	09/10	Television & Sampling	Notes and Web Sites
<b>Session 11f (Quiz11 by 09/21)</b>	<b>09/15</b>	<b>Review for Quiz 11</b>	
Session 11g	09/22	Quiz 11 Results	

# Quiz\_11 Results

- Those that turned in their Quiz 11 so far (4 of 12) – Not Bad.
- A “B-” average
- There seems to be a problem with the new Efax number.



# Quiz 11

- We'll use Appshare and Word to go over Quiz\_10
- This time we'll record the session.



# Section 12 Schedule

Session 12a	09/24	Transmission Lines, Radio, Microwave & Satellites	Bigelow: 36-42; WWW, notes
Session 12b	09/29	Telephone History & POTS	Bigelow: 1-36, 47-78, WWW, notes
Session 12c (No Class 10/06)	10/02	Telephone Systems & the CO	Bigelow: 79-106, 211-251
Session 12d	10/08	LANs	WWW, notes
Session 12e	10/13	Cell Phone Systems	Bigelow: 332-341; WWW, notes
Session 12f (Quiz 12 due 10/26) (Lab12 - 10/25, Sat.)	10/20	Review for Quiz 12	
Session 12g	10/27	Quiz 12 Results	
Session 12h	10/29	MT 6 Q&A	
MT6 (Sat, Cheshire)	11/01	MT 6	
MT6 Results	11/03	MT 6 Results	