



Course Outline

i. Preliminary Material

- I. General Computing Background
 - A. File and Data Management
 - B. Word and Text Processing
 - 1. Text File Formats (ascii, postscript, eps, rtf, HTML)
 - 2. Graphic File Formats (postscript, eps, jpeg, tiff, gif, IBM Mac & other formats)
 - C. Underpinnings
 - 1. Intro to Hypermedia/Multimedia
 - 2. Digital Sound (recording, sampling rates, formats, storage)
 - 3. Digital Video (playback, formats: mpeg, quicktime, vfw)
 - 4. Compression Formats & Utilities
- II. Networking
 - A. Introduction to the Internet
 - 1. World Wide Web Browsing
 - 2. Local LAN Access (cbx, servers, SLIP) [K, App. A]
 - 3. Electronic Mail (eudora, elm, Pine, NUPOP) [K, Ch. 7]
 - 4. MIME Mail (multi-media mail) [K, Ch. 7]
 - 5. File Transfer Protocol (FTP) [K, Ch. 6, Ch. 9-12]
 - a. File Searches (Archie, WAIS, Gopher: Veronica)
 - 6. Network News (USENET news readers) [K, Ch. 8]

- 7. Network HyperMedia (World Wide Web Authoring) [K, Ch. 13]
- 8. Net User Location Tools [K, Ch. 10]
- 9. Synchronous Communication Tools: (talk, IRC, CUSeeMe) [K, Ch. 13]
- III. Library and Information Services
 - A. OPACs (On-line Public Access Catalogs) and Electronic Journals and Elec. Books [B, Ch. 3, Ch. 9]
 - B. Commercial and Other Networks [B, Ch. 12]
 - 1. Compuserve, Genie, America On-line, Prodigy
 - 2. Bitnet, ListServ, UUnet
- IV. Digital Libraries
 - A. Issues and Access
 - 1. Searching Browsing and Linking
 - 2. Authoring, Copyright, Subscriptions
 - B. Advanced Systems
 - 1. Interfaces, Navigation, Knowbots
 - 2. Working with the Envision System
 - C. VT Library Virtual Tour

References

[K] Krol, Ed, *The Whole Internet User's Guide and Catalog*, O'Reilly & Assoc.s, 1992

[B] Braun, Eric, *The Internet Directory*, Ballantine Books, 1994

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Last Updated: 5/25/96