



Broward Community College

Course Outline

STATUS: A

COMMON COURSE NUMBER: OST 1795

COURSE TITLE: Telecommunications

CREDIT HOURS: 1

CONTACT HOURS BREAKDOWN:

Lecture/Discussion 16

Lab

Other

Contact Hours/Week 1

CATALOG COURSE DESCRIPTION:

Prerequisite: None

Corequisite: None

A hands-on course utilizing the Internet. Course topics include telecommunications terminology, the use of the World Wide Web, bulletin boards, email, attachments, address books, bookmarks, search engines, history lists, browser programs, and customizing the browser. Email etiquette, legal issues, and organizing archiving email are also investigated.

General Education Requirements - Associate of Arts Degree, meets Area(s):

General Education Requirements - Associate in Science Degree, meets Area(s):

UNIT TITLES:

1. Terms Used in Telecommunications
2. On-Line Messages and News Bulletins
3. Files Transferred, Squeezed, or Unsqueezed
4. On-Line Communications Services

I. Course Overview:

Upon successful completion of this course, the students should be able to define telecommunications terms, read or send on-line messages or news bulletins using a modem, transfer files to or from another computer directly or on a bulletin board, squeeze or unsqueeze files, and practice other communication systems available at the college.

II. Units:

Unit 1. Terms Used in Telecommunications

General Outcome:

1.0 The students should be able to define and describe terms used in telecommunications.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

1.1 Identify or define telecommunications terms such as:

- 1.1.1 Electronic mail
- 1.1.2 Bulletin board
- 1.1.3 Modem
- 1.1.4 Facimile
- 1.1.5 FAX machine
- 1.1.6 Baud rate
- 1.1.7 Parity
- 1.1.8 Data bits
- 1.1.9 Stop bits
- 1.1.10 Database system
- 1.1.11 Echoing
- 1.1.12 Log-on
- 1.1.13 Protocol
- 1.1.14 Half-duplex
- 1.1.15 Full-duplex
- 1.1.16 Asynchronous and synchronous transmission
- 1.1.17 Downloading
- 1.1.18 Uploading
- 1.1.19 Screen dump

Unit 2. On-Line Messages and News Bulletins

General Outcome:

2.0 The students should be able to read or transmit messages or news bulletins from one computer to another directly or on a bulletin board.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 2.1 Use the correct modem settings to connect to one or more bulletin boards in the area.
- 2.2 Leave a general message on the bulletin board to be read by others who might connect to the board.
- 2.3 Leave a private message on the bulletin board to be read by a specific person.
- 2.4 Read messages left by others.
- 2.5 Read news bulletins left by others.
- 2.6 Capture, save, or print messages or news bulletins left by others.
- 2.7 Upload a previously typed message to the board.
- 2.8 Communicate directly with another computer.

Unit 3. Files Transferred, Squeezed, or Unsqueezed

General Outcome:

3.0 The students should be able to transfer files from one computer to another directly or on a bulletin board and squeeze or unsqueeze files if needed.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

3.1 Download a file from or upload a file directly to the computer.

3.2 Download a file from or upload a file to a bulletin board.

3.3 Squeeze an ARC or ZIP file for uploading.

3.4 Unsqueeze an ARC or ZIP file after downloading.

Unit 4. On-Line Communications Services

General Outcome:

4.0 The students should be able to use on-line communications services available at the college.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

4.1 Use Prodigy by:

4.1.1 Connecting to the Prodigy communications service

4.1.2 Jumping to the different areas of interest on Prodigy and find desired information—areas such as daily news bulletins, games, contests, stock reports, art gallery, bulletin board, mailbox for communicating with other members, banking, shopping, Consumer Reports ratings, investment tips, up-to-date weather, movie reviews, encyclopedia, and many others

4.1.3 Leaving a message to another Prodigy member

4.2 Use FIRM to connect to various school libraries in Florida and browse through the card catalog for books available for checkout.

4.3 Identify other on-line services such as CompuServe or The Source.

4.4 Explain some of the extra features available on the services such as on-line expert help from book companies, software companies, hundreds of files to download, fax mail, research and other.