



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

**LAST REVIEW: 2008-2009**

**NEXT REVIEW: 2013-2014**

**STATUS: A**

**COURSE TITLE: Telecommunications**

**COMMON COURSE NUMBER: OST 1795**

**CREDIT HOURS: 1**

**CONTACT HOUR BREAKDOWN**

*(per 16 week term)*

**CLOCK HOURS:**

*(Voc. Course ONLY)*

Lecture:

Lab: **16**

Clinic:

Other:

**PREREQUISITE(S):**

**COREQUISITE(S):**

**PRE/COREQUISITE(S):**

**COURSE DESCRIPTION :** 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 (AA), meets Area(s): Area

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

General Education Requirements – Associate in Applied Science Degree (AAS), meets Area(s): Area

## **UNIT TITLES**

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



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## ASSESSMENT:

Please provide a brief description (250 characters maximum) that details how students will be assessed on the course outcomes.

1. Quizzes, Test, and/or Final Exam (cumulative/comprehensive);
2. Selected faculty may assess homework, projects, class participation/attendance, and/or extra credit projects.

*\*\*\* Complete the following only if course is seeking general education status \*\*\**

## GENERAL EDUCATION Competencies and Skills \*:

Please highlight in green font all Competencies/Skills from the list below that apply to this course. In the box to the right of the Competency/Skill, enter all specific learning outcome numbers (i.e. 1.1, 2.7, 5.12) that apply.

1. Read with critical comprehension	
2. Speak and listen effectively	
3. Speak and listen effectively	
4. Think creatively, logically, critically, and reflectively (analyze, synthesize, apply, and evaluate)	
5. Demonstrate and apply literacy in its various forms: <i>(highlight in green ALL that apply)</i> ( 1. technological, 2. informational, 3. mathematical, 4. scientific, 5. cultural, 6. historical, 7. aesthetic and/or 8. environmental )	
6. Apply problem solving techniques to real-world experiences	
7. Apply methods of scientific inquiry	
8. Demonstrate an understanding of the physical and biological environment and how it is impacted by human beings	
9. Demonstrate an understanding of and appreciation for human diversities and commonalities	
10. Collaborate with others to achieve common goals.	
11. Research, synthesize and produce original work	
12. Practice ethical behavior	
13. Demonstrate self-direction and self motivation	
14. Assume responsibility for and understand the impact of personal behaviors on self and society	
15. Contribute to the welfare of the community	

*\* General Education Competencies and Skills endorsed by '05-'06 General Education Task Force*



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## UNITS

### Unit 1

#### General Outcome:

- 1.0 The student shall define and describe terms used in telecommunications .

#### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall 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 Listserv
- 1.1.5 USENET
- 1.1.6 e-commerce
- 1.1.7 HTTP/HTML
- 1.1.8 ISP's
- 1.1.9 WISP
- 1.1.10 Database system
- 1.1.11 Echoing
- 1.1.12 Log-on
- 1.1.13 Protocol/POP
- 1.1.14 Internet Security
- 1.1.15 Anti-virus software



**1.1.16 Asynchronous and synchronous transmission**

**1.1.17 Downloading**

**1.1.18 Uploading**

**1.1.19 Screen dump**

**1.1.20 blogs**

**1.1.21 WIFI**

**1.1.22 WIKI**

**1.1.23 podcasts**



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## Unit 2

### General Outcome:

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

### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall 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.



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## Unit 3

### General Outcome:

- 3.0 The student shall transfer files from one computer to another directly or on a bulletin board and compress or decompress files if needed.**

### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall 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.**



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### Unit 4

#### General Outcome:

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

#### Specific Measurable Learning Outcomes:

Upon successful completion of this unit, the student shall be able to:

- 4.1 Use Google/Yahoo by:
- 4.1.1 Connecting to the Google/Yahoo communications service
  - 4.1.2 Jumping to the different areas of interest on Google/Yahoo 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 Google/AOL/Yahoo member
- 4.2 Use FERN 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 MSN.
- 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.