



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

LAST REVIEW:

(i.e. 2003-2004)

NEXT REVIEW:

(i.e. 2008-2009)

STATUS:

(A, I, D)

COURSE TITLE: Technology

COMMON COURSE NUMBER: EPI 0003

CREDIT HOURS: 3

CONTACT HOUR BREAKDOWN

(per 16 week term)

CLOCK HOURS:

(Voc. Course ONLY)

Lecture: 40 Lab:

Clinic: Other:

PREREQUISITE(S):

COREQUISITE(S):

PRE/COREQUISITE(S):

COURSE DESCRIPTION: The course prepares the participant to employ technology as an integral part of the teaching and learning process. Instruction is provided in commonly used software suites and on the Internet. The use of blended learning to enrich and engage students and increase their technology skills is a major emphasis. Copyright and fair use guidelines are reinforced.

UNIT TITLES

1. Overview of Educational Technology and Learning Theories
2. Productivity Tools
3. Multimedia Presentation
4. Content Area Instructional Strategies
5. Internet Resources
6. Webpage Development
7. Copyright & Fair Use Guidelines



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UNITS

Unit 1 Overview of Educational Technology

General Outcome:

- 1.0 The student shall be able to demonstrate an understanding of the status of current educational technology, and the future of technology in the classroom.**

Specific Measurable Learning Outcomes:

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

- 1.1 Recognize the changing role of education using technology.**
- 1.2 Explain how school networks and the Internet are shared instructional tools.**
- 1.3 Demonstrate Internet shared communication such as email, discussions and chat using course management systems.**
- 1.4 Identify the necessity of adaptability of teaching with technology to accommodate diverse student needs, learning styles, and multiple intelligences.**
- 1.5 Identify the ISTE, NETS and Sunshine standards.**
- 1.6 Discuss technology used in schools, based upon preferred teaching level, as viewed during a school site visitation.**



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Unit 2

General Outcome: Personal Computers and Productivity Tools

2.0 The student shall utilize productivity software pertinent to the field of education.

Specific Measurable Learning Outcomes:

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

- 2.1 Identify the components of a personal computer system.**
- 2.2 Identify the role of input and output devices in relation to the classroom.**
- 2.3 Create, edit, save and print documents with a word processor.**
- 2.4 Create, edit, save and print spreadsheets**
- 2.5 Discuss use of databases in the classroom**
- 2.6 Create, edit, save and retrieve a database using fields, widths, rows, columns and formulas.**
- 2.7 Create documents relevant to their use in the classroom.**
- 2.8 Identify and review current software available in K-12**



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Unit 3 Multimedia Presentations

General Outcome:

- 3.0** The student shall be able to describe and use various types of computer generated presentations and multimedia application which are available to enhance classroom instruction.

Specific Measurable Learning Outcomes:

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

- 3.1** Define multimedia and describe the benefits to the educational process.
- 3.2** Identify multimedia applications that are available for use in the educational system
- 3.3** Create and present a multimedia application.
- 3.4** Demonstration multimedia and educational software applications.
- 3.5** Identify digital imaging and video technology.



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Unit 4: Content Area Instructional Strategies

General Outcome:

4.0 The student shall review and evaluate software pertinent to the education field

Specific Measurable Learning Outcomes:

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

4.1 Identify current software packages pertinent to the field of education.

4.2 Select, use and evaluate appropriate current educational software.

4.3 Review appropriate educational software to determine its utility in the field of education.

4.4 Classify software into different types.

4.5 Demonstrate the understanding of integrated learning systems such as River Deep, Learning Today and Computer Curriculum Core.

4.6 Identify necessary funds to support classroom technology and integration



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Unit 5

General Outcome:

- 5.0 The student shall be able to demonstrate a general understanding of how to locate course materials through accessing online databases and the Internet.**

Specific Measurable Learning Outcomes:

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

- 5.1 Define computer literacy and information literacy.**
- 5.2 Discuss techniques to use computer databases for library resources.**
- 5.3 Discuss pedagogical issues surrounding e-learning courses.**
- 5.4 Research and evaluate educational web sites that would benefit teachers in planning lessons and identifying current educational literature.**
- 5.5 Identify and recognize quality sites to assist students with homework and parents with tutoring.**
- 5.6 Locate online databases on the Internet.**
- 5.7 Develop a Web Quest in a particular subject area using several web resources.**



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Unit 6

General Outcome:

6.0 The student shall be able to conceptualize and develop an educational web site.

Specific Measurable Learning Outcomes:

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

6.1 Define World Wide Web and web sites.

6.2 Discuss web browsers and the Internet.

6.3 Identify and review educational web sites.

6.4 Create an educational web site with absolute, relative and email links.

6.5 Publish the web site in a course management system.



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Unit 7

General Outcome:

- 7.0 The student shall be able to understand security risks, ethics and emerging technology in education.**

Specific Measurable Learning Outcomes:

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

7.1 Define copyright law as it related to technology in the classroom

7.2 Discuss Fair Use and the Teach Act are used and how to determine acceptable practices in using copyrighted material in the classroom.

7.3 Identify security risks in the classroom.

7.4 Recognize emerging technologies as related to education.