



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

**LAST REVIEW: 2008-2009**  
*(i.e. 2003-2004)*

**NEXT REVIEW: 2013-2014**  
*(i.e. 2008-2009)*

**STATUS: A**  
*(A, I, D)*

**COURSE TITLE:** Introduction to Educational Technology

**COMMON COURSE NUMBER:** EME 2040

**CREDIT HOURS: 3**

**CONTACT HOUR BREAKDOWN**  
*(per 16 week term)*

**CLOCK HOURS: 48**  
*(Voc. Course ONLY)*

Lecture:                      Lab:  
Clinic:                         Other:

**PREREQUISITE(S):** NONE

**COREQUISITE(S):** NONE

**PRE/COREQUISITE(S):**

**COURSE DESCRIPTION** *(750 characters, maximum):*

This course is a theory and application course that introduces students to instructional design principles, traditional and emerging technologies, and software and how they are used in the teaching profession. Students will be provided an overview of the Florida Educator Accomplished Practices, Sunshine State Standards, and the Professional Educator Competencies.

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. Overview of Educational Technology
2. Communications Systems
3. Educational Software
4. Productivity Tools
5. Multimedia
6. Traditional and Emerging Technologies
7. Technology and Exceptional Learners
8. Technology and English Language Learners
9. Legal and Ethical Issues



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## ASSESSMENT:

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

*\*\*\* 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. Write clearly and coherently	
4. Think creatively, logically, critically, and reflectively (analyze, synthesize, apply, and evaluate)	2.4, 3.2
5. Demonstrate and apply literacy in its various forms: (highlight in green ALL that apply) (1. technological, 2. informational, 3. mathematical, 4. scientific, 5. cultural, 6. historical, 7. aesthetic and/or 8. environmental )	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 1.9, 2.1, 2.2, 2.3, 3.1, 3.3, 5.1, 5.2, 5.5, 6.1, 6.2, 6.3, 6.4, 9.1
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	1.7, 7.1, 7.2
10. Collaborate with others to achieve common goals.	
11. Research, synthesize and produce original work	4.1, 4.2, 4.3, 4.4, 5.3, 5.4, 8.1
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*



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: EME2040

## UNITS

### Unit 1 Overview of Educational Technology

#### General Outcome:

- 1.0 **The student shall** be able to demonstrate an understanding of the role 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 professionals (including teachers) because of technology.
- 1.2 Discuss the importance of updating technology literacy for professional success.
- 1.3 Discuss basic computer concepts, including computer components and functions
- 1.4 Recognize the role of computer networks.
- 1.5 Describe learning theories.
- 1.6 Discuss the use of technology in schools.
- 1.7 Discuss the importance of utilizing technology to accommodate diverse student needs.
- 1.8 Recognize the role of e-learning in education and the use of online course management systems.
- 1.9 Identify current technology standards relating to the incorporation of technology in the classroom



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: EME2040

## Unit 2 Communications/Systems

### General Outcome:

- 2.0 The student shall be able to demonstrate a general understanding of how to utilize the Internet and its resources.

### Specific Measurable Learning Outcomes:

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

- 2.1 Define communications systems.
- 2.2 Communicate with the instructor/others using various technologies and tools (smart phones, blogging, online discussion groups, online chatrooms)
- 2.3 Locate and use online resources for academic and instructional purposes.
- 2.4 Evaluate educational websites and resources.



**Common Course Number: EME2040**

**Unit 3 Educational Software**

**General Outcome:**

- 3.0 The students shall be able to identify, review and evaluate software pertinent to the field of education.

**Specific Measurable Learning Outcomes:**

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

Identify current software packages pertinent to the field of education.

- 3.2 Evaluate and use appropriate current educational software.
- 3.3 Describe the use of integrated learning systems.



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: EME2040

## Unit 4 Productivity Tools

### General Outcome:

- 4.0 The students shall be able to 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:

- 4.1 Create and format documents with a word processing software.
- 4.2 Create and format a spreadsheet with spreadsheet software package.
- 4.3 Create, format and search a database with a database software package.
- 4.4 Utilize a desktop publishing software.



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: EME2040

## Unit 5 Multimedia

### General Outcome:

- 5.0 The students shall be able to describe and use various types of multimedia applications which are available to enhance classroom instruction.

### Specific Measurable Learning Outcomes:

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

- 5.1 Describe the use of multimedia and hypermedia applications.
- 5.2 Discuss the benefits of using multimedia and hypermedia applications.
- 5.3 Create an electronic portfolio.
- 5.4 Use webpage development software to create and publish a webpage.
- 5.5 Describe the use of podcasting.



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: EME2040

## Unit 6 Traditional and Emerging Technologies

### General Outcome:

- 6.0 The students shall be able to demonstrate, discuss, and evaluate the use of traditional and emerging technologies.

### Specific Measurable Learning Outcomes:

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

- 6.1 Discuss the use of traditional technologies.
- 6.2 Demonstrate the use of various operating systems and computer platforms.
- 6.3 Describe the use of emerging technologies.
- 6.4 Discuss criteria for evaluating the use of technology in the classroom.

Common Course Number: EME 2040



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

## Unit 7

### General Outcome:

**7.0 The student shall demonstrate an understanding of Universal Design principles and assistive technologies for exceptional learners**

### Specific Measurable Learning Outcomes:

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

**7.1 Describe Universal Design principles**

**7.2 Identify assistive technology tools that address the special and/or diverse needs of students with exceptionalities**

**Common Course Number: EME 2040**



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

## Unit 8

### General Outcome:

**8.0 The student shall gain an understanding of the technology tools available to enhance the educational process of English language learners**

### Specific Measurable Learning Outcomes:

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

**8.1 Identify technology tools that address the academic needs of and support learning among English Language Learners**

**Common Course Number: EME 2040**



# BROWARD COMMUNITY COLLEGE COURSE OUTLINE

## Unit 97

### General Outcome:

**9.0 The student shall gain an understanding of the legal and ethical issues surrounding the use of technology in education**

### Specific Measurable Learning Outcomes:

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

**9.1 Identify and describe the legal and ethical issues for using technology in the classroom**