



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

ASSESSMENT:

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

1. Quizzes, tests, projects, exercises and / or final exam.
2. An instructor may also choose to assess class participation, attendance and/or extra credit assignments.

**** 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)	
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)	
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



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: FES 1830

UNITS

Unit 1 Natural hazards

General Outcome:

- 1.0 The student shall: be able to list natural hazards and to identify the levels, formation and severity of natural hazards and to identify which hazards are more likely to impact Florida.

Specific Measurable Learning Outcomes:

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

- 1.1 Identify the levels, formation and severity of natural hazards that are of particular concern to Florida, including :
 - a. Hurricanes
 - b. Tornadoes
 - c. Flooding
 - d. Agricultural failures
 - e. Weather extremes (lightening, etc.)
 - f. Wildfires
 - g. Drought
- 1.2 Identify the levels, formation and severity of other natural hazards, including
 - a. Earthquakes
 - b. Cyclones
 - c. Volcanoes
 - d. Pandemic Illnesses
- 1.3
- 1.4
- 1.5
- 1.6
- 1.7
- 1.8
- 1.9
- 1.10
- 1.11



BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number: FES 1830

Unit 2 Man-Made Hazards

General Outcome:

- 2.0 The student shall: demonstrate knowledge of man-made hazards and recognize the elements and characteristics of these hazards.

Specific Measurable Learning Outcomes:

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

2.1 Recognize the elements and characteristics of man-made hazards, including:

- a. Hazardous Material (biological, chemical, radiological)
- b. Information System Failures
- c. Utility Failures
- d. Transportation Incidents (air, sea, land)
- e. Fires
- f. Dam Failures
- g. Mass Casualty Crime / Terrorism Incidents

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Common Course Number: FES 1830

Unit 3 Measuring, Monitoring and Predicting Natural Hazards

General Outcome:

- 3.0 The student shall: identify information sources regarding natural hazards and use data provided by such sources for the purpose of measuring, monitoring and predicting natural hazards.**

Specific Measurable Learning Outcomes:

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

- 3.1 Identify information sources regarding natural hazards and access data from those sources.**

Those sources include:

- a. CDC (Center for Disease Control)**
- b. FEMA (Federal Emergency Management Administration)**
- c. Florida Division of Emergency Management**
- d. National Weather Service**
- e. NOAA (National Oceanic and Atmospheric Administration)**
- f. USDA (U.S. Dept. of Agriculture) (drought, pests)**
- g. US Geological Survey (earthquakes)**

- 3.2 Analyze information from the above referenced sources so as to measure, monitor and predict natural hazards and the related potential for harm.**

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 4

General Outcome:

- 4.0 The student shall: identify information sources regarding man-made hazards and use data provided by such sources for the purpose of measuring, monitoring and predicting man-made hazards.**

Specific Measurable Learning Outcomes:

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

- 4.1 Identify information sources regarding man-made hazards and access data from those sources.**

Those sources include:

- a. County Emergency Operation Centers**
- b. EMS (Emergency Medical Services)**
- c. Disaster Relief Agencies (government and non-government)**
- d. Fire Departments**
- e. Law Enforcement Agencies**
- f. State and Federal Agencies**
- g. Utilities**

- 4.2 Analyze information from the above referenced sources so as to measure, monitor and predict man-made hazards and the related potential for harm.**

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 5

General Outcome:

5.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 6

General Outcome:

6.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 7

General Outcome:

7.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 8

General Outcome:

8.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 9

General Outcome:

9.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 10

General Outcome:

10.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 11

General Outcome:

11.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 12

General Outcome:

12.0 The student shall:

Specific Measurable Learning Outcomes:

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

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BROWARD COMMUNITY COLLEGE COURSE OUTLINE

Common Course Number:

Unit 13

General Outcome:

13.0 The student shall:

Specific Measurable Learning Outcomes:

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

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