

Fond du Lac Tribal and Community College
COURSE OUTLINE FORM

Updated 11/25/14

Please return this form to the college vice president of academic affairs and the chairperson of the Academic Affairs and Standards Council (AASC)

1. Prepared by: _____

2. Date submitted: _____

3. Date approved: 02/05/10 Date revised 02/04/15, 04/08/15

4. Department/discipline: Geography

5. Department(s) endorsement(s): _____

(Signatures of the person(s) providing the endorsement are required.)

6. Course Title: Disasters

Abbreviated course title (25 characters or less): _____

7. Course Designator: GEOG

8. Course Level: 2010

9. Number of Credits: Lecture 3

Lab _____

10. Control Number (on site) _____

Control Number (online) 25

11. Catalog/Course description:

An examination of the underlying causes and ultimate impacts of disasters, both natural and human-induced. Students will learn how disasters affect populations and appreciate the significance of location and how that can determine the presence of hazards. Topics will include, but are not limited to: earthquakes, volcanoes, storms, radon, disease, extraterrestrial impacts, wildfires, population, and other phenomenon. Students will perform lab-like activities through problem-solving using computer-based simulations. (Meets MnTC goal areas 3 & 10)

12. Course prerequisite(s) or co-requisite(s): Accuplacer scores/ Other courses

Prerequisite(s):

Co-requisite:

13. **Course Materials** (Recommended course materials and resources. List all that apply, e.g. textbooks, workbooks, study guides, lab manuals, videos, guest lecturers).

Resources selected based on those most currently available and applicable.

14. **Course Content** (Provide an outline of major topics covered in course)

1. Plate Tectonics
2. Subsidence
3. Volcanoes
4. Earthquakes
5. Tsunami Hazards
6. Mass Movements
7. Floods
8. Coastal Erosion

9. Hurricanes
10. Thunderstorms and Tornadoes
11. Wildfires
12. Extraterrestrial Impacts
13. Population Growth and Distribution
14. Climate Change
15. Extinctions
16. Radon
17. Warfare/Weapons
18. Genocide
19. Disease/Famine
20. Human Attitudes
21. Pollution

15. Learning Goals, Outcomes, and Assessment

At FDLTCC we have 4 Competencies Across the Curriculum (CAC) areas. They are as follows:

- A. Information Literacy (the ability to use print and/or non-print tools effectively for the discovery, acquisition, and evaluation of information)
- B. Ability to Communicate (the ability to listen, read, comprehend, and/or deliver information in a variety of formats.)
- C. Problem Solving (the ability to conceptualize, apply, analyze, synthesize, and/or evaluate information to formulate and solve problems.)
- D. Culture (knowledge of Anishinaabe traditions and culture, knowledge of one's own traditions and culture, knowledge of others' traditions and cultures, culture of work, culture of academic disciplines and/or respect for global diversity.)

Course Learning Outcomes will fulfill the identified competencies.

Course Learning Outcomes.

Upon completion of this course, the student will be able to:

- Analyze the geographic distribution of different types of disasters. (A) (10-4)
- Explain the physical processes associated with natural disasters (A, B) (3-1, 3-2, 10-5)
- Discuss the geographic distribution and factors contributing to human-induced disasters. (B, D) (3-4, 10-3)
- Examine maps to assess risk based on location. (A, C) (10-2)

16. Minnesota Transfer Curriculum (MnTC): If this course fulfills an MnTC goal area, state the goal area and list the goals and outcomes below:

See www.mntransfer.org

Goal Area(s): 3 & 10

Goal and Outcomes:

Goal 3: Natural Sciences 1, 2, 4

Goal 10: People and the Environment 2, 3, 4, 5