College of Public Health and Health Professions
PHC 6183
Public Health Disaster Preparedness and Emergency Response for Humans and Animals
3 credits, Summer 2015
Online Course, UF eLearning, Website: lss.at.ufl.edu

Course Coordinator:
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Course Overview
The purpose of this online course is to introduce students to the basics of disaster preparedness and responding to disasters, and to build a base for further development in responder training. The course provides training and resources for a basic understanding of the Incident Command System (ICS) and National Incident Management System (NIMS). Also included is disaster preparedness training to support animal owners, livestock farmers, and care providers as well as guidance for emergency management personnel in preparing community disaster plans that include animals. The overall objective is to make the student compliant with the Federal Emergency Management Agency (FEMA) minimum responder credential requirements and to broaden the scope of the student's view of disaster management to include animal preparedness in community planning and emergency response.

Course Objectives
Upon successful completion of the course, students should be able to:
1. Be compliant with the Federal Emergency Management Agency (FEMA) minimum responder credential requirements
2. Operate efficiently during an incident or event within the Incident Command System (ICS).
3. Describe the ICS organization appropriate to the complexity of the incident or event.
4. Use ICS to manage an incident or event
5. Demonstrate basic knowledge of NIMS
6. Understand special issues that emergency managers need to consider when incorporating animal-care annexes into their emergency operations plans
7. Provide sufficient information for emergency management officials and animal owners/caregivers to meet and develop meaningful and effective plans that improve the care of animals, their owners, and the animal-care industries in disasters.
8. Have a general understanding of issues that arise when disasters affect livestock including common causes and typical consequences.
9. Communicate effectively with farmers about causes, impacts, and consequences of disasters affecting livestock in their communities and how to mitigate the effects.

Course Materials

1. Required Text: *Public Health Management of Disasters: The Practice Guide* by Linda Young Landesman. Published by the American Public Health Association

2. Required Text: *Case Studies in Public Health Preparedness and Response to Disasters* by Linda Young Landesman and Isaac B. Weisfuse. Published by Jones & Bartlette Learning.

3. Powerpoints, documents, assignments, and/or discussion boards found on the eLearning course website.

4. Online FEMA training: Independent Study Program found at http://training.fema.gov/IS/crslist.asp
****You will need to acquire a FEMA Student Identification Number (SID) to gain access and complete the FEMA certificate exams (also called the Independent Study final exams). Please register at the following link to get your FEMA SID number:
https://cdp.dhs.gov/femasid/register

Course Evaluation and Grading

Exams (FEMA certificates of completion): There are six FEMA training courses, each with an online exam consisting of 25-50 multiple choice questions These six exams will be graded by the EMI and a passing score is 75% or greater. The exams are open book. The student will be notified by email whether they passed or not. The EMI will issue via email a certificate of course completion to students that pass the exam. These certificates can be saved as a PDF file and also printed. Students will need to present their certificates of completion to the course coordinator via submission as an attachment on the eLearning website under assessments. Each of the six exams is worth 7 points for a combined total of 42% your final grade. Certificates of completion are due before midnight on the dates listed in the chart below.

Case Studies and Discussion Board: There are three case studies, one in each part of the course. The cases are found in the text *Case Studies in Public Health Preparedness and Response to Disasters*. Each case study includes a written assignment and a minimum of one discussion board posting per case study per student. Each case study will have two "starter questions/topics" already posted and awaiting responses. You can choose to post in reply to one of these or you can post about something else related to the case study. Each of the three assignments is worth 8 points for a combined total of 24% of your final grade. Each discussion board posting is worth 2 points for a combined total of 6% of your final grade. Due dates for case study assignments and discussion board posting are listed in the chart below.

Final Project – You will be given the choice between two projects: creating a personal preparedness plan or creating a preparedness plan for an animal facility. The assignment will be due at the end of the semester after you have successfully completed the FEMA courses, and are designed for you to demonstrate an understanding of practical use of the knowledge gained in this course. No extra credit will be given for completing more than one final project. The final

project is worth 28 points (28% final grade). The final project is due before midnight on the date listed in the chart below.

Assignment of letter grades for the course:
A = 90-100%
A- = 87-89%
B+ = 83-86%
B = 80-82%
B- = 77-79%
C+ = 73-76%
C = 70-72%
C- = 67-69%
D+ = 63-66%
D = 60-62%
D- = 57-59%
E = < 57%

The grade point values assigned to each grade are:

Grade values for conversion												
Letter grades	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E,I
Grade points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.67	1.33	1.0	0.67	0.0

<u>Course Outline</u> (chart that follows includes due dates)

Part 1: Basics of Disasters and Response

Module 1 Introduction to Disaster Preparedness and Emergency Response
Module 2 Types of Disasters and Their Consequences, Role and Responsibility of Public Health
Module 3 Case Study on an Emerging Infection
Case 13, The 2009 H1N1 Pandemic Response

Part 2: Preparedness and Response in Humans

Module 4 Introduction to the Incident Command System (ICS), ICS Overview and Basic Features, Incident Commander & Command Staff Functions, General Staff Functions, ICS Facilities, Common Responsibilities
FEMA ICS-100.B website:
http://training.fema.gov/EMIWeb/IS/IS100B.asp
Module 5 ICS for Single Resources and Initial Action Incidents, Leadership & Management, Delegation of Authority & Management by Objectives, Functional Areas & Positions, Briefings, Organizational Flexibility, Transfer of Command
FEMA ICS-200.B website:
http://training.fema.gov/EMIWeb/IS/IS200B.asp
Module 6 Introduction to National Incident Management System (NIMS), NIMS

Preparedness, NIMS Communications and Information Management, NIMS Resource Management, NIMS Command and Management
FEMA IS-700.A website: http://training.fema.gov/EMIWeb/IS/is700a.asp

Module 7 Case Study of a Man-Made Disaster
Case 10, World Trade Center Attack on September 11, 2001

Part 3: Preparedness and Response in Animals

Module 8 Animals in Disaster: Awareness and Preparedness, The Four Phases of Emergency Management, Defining the Risks and Applying the Four Phases, The Care of Animals in Disaster
FL SART website: http://flsart.org/SART/tm?pageID=2#
Presentation: Identifying Community Needs and Resources
Presentation: Emergency First Aid for Dogs and Cats
FEMA IS-10 website: http://training.fema.gov/EMIWeb/IS/is10.asp

Module 9 Animals in Disaster: Community Planning, Disaster Preparedness through Planning & Collaboration, Analyzing Risks Affecting Animals and their Owners, Organization of the Response to Disasters, Recovering from a Disaster, Developing Community Support for Disaster Preparedness Plan
FL SART website: http://flsart.org/SART/tm?pageID=2#
Presentation: Sheltering Options in Mass Evacuations
Presentation: Preparing an Action Plan
FEMA IS-11a website: http://training.fema.gov/EMIWeb/IS/IS11a.asp

Module 10 Livestock in Disasters, Common Hazards and Typical Consequences of Disasters, Disaster Response
FL SART website: http://flsart.org/SART/tm?pageID=2#
Presentation: Foreign Animal Disease Recognition
Presentation: Emergency Management of Large Animals
FEMA IS-111 website: http://training.fema.gov/EMIWeb/IS/is111.asp

Module 11 Case Study of a Natural Disaster
Case 3, The 1999 North Carolina Floyd Flood

Module	Topics	Presentation	Reading*	Assignments	Due Date
1	Introduction	Intro Presentation	1. none 2. none	none	N/A
2	Type of Disasters & Consequences, Role of Public Health	none	1. Chapters 1, 2, & 4 2. none	none	N/A
3	Case Study	none	1. none 2. Case 13 H1N1	Case Study, Discussion Board Post	6/3
4	Intro to ICS	none	1. Chapter 3 2. none	FEMA ICS100b	7/1
5	ICS Leadership and Management	none	1. Chapters 5 & 6	FEMA ICS200b	7/1

			2. none		
6	NIMS	none	1. Chapter 3 (review) 2. none	FEMA IS700a	7/1
7	Case Study	none	1. none 2. Case 10 WTC	Case Study, Discussion Board Post	7/1
8	Animals: Awareness, Prep, & Management	FL SART PowerPoint x2	1. none 2. none	FEMA IS-10	8/5
9	Animals: Community Planning	FL SART PowerPoint x2	1. none 2. none	FEMA IS-11a	8/5
10	Livestock	FL SART PowerPoint x2	1. none 2. none	FEMA IS-111	8/5
11	Case Study	none	1. none 2. Case 3 Floyd Flood	Case Study, Discussion Board Post	8/5
Final Project					8/5

*Text 1. *Public Health Management of Disasters: The Practice Guide*
Text 2. *Case Studies in Public Health Preparedness and Response to Disasters*

Statement of University's Honesty Policy
Students are expected to act in accordance with the University of Florida policy on academic integrity (see Graduate Student Handbook for details). Cheating or plagiarism in any form is unacceptable and inexcusable behavior.

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.

Accommodations for Students with Disabilities
Students requesting classroom accommodation must first register with the Dean of Students Office, which will provide documentation to the student. The student should them provide this documentation to the instructor.

Make-up Work
Personal issues with respect to fulfillment of course requirements will be handled on an individual basis. Late submissions will not be accepted without instructor approval prior to the submission deadline.

Counseling and Student Health

Students may occasionally have personal issues that arise in the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling Center, 352-392-1575, or Student Mental Health Services, 352-392-1171. Visit their web sites for more information: http://www.counsel.ufl.edu/ or http://www.health.ufl.edu/shcc/smhs/index.htm#urgent

The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services, including primary care, women's health care, immunizations, mental health care, and pharmacy services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: www.health.ufl.edu/shcc

Crisis intervention is always available 24/7 from:
Alachua County Crisis Center: (352) 264-6789.

BUT – *Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone, so do not be afraid to ask for assistance*.