

University of Florida
College of Public Health & Health Professions Syllabus
PHC 6183: Public Health Disaster Preparedness and Emergency Response
for Humans and Animals (3 credit hours)
Summer: 2017
Delivery Format: E-Learning in Canvas

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Office Hours: By appointment

Preferred Course Communications: Email: via Canvas Inbox to “Teachers”

Prerequisites

None

PURPOSE AND OUTCOME

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.

Relation to Program Outcomes

This course provides primary gains or reinforcement of the following competencies:

- Demonstrate the principles of problem solving and crisis management
- Describe to specific communities or general populations the direct and indirect human and ecological effects of major environmental agents
- Describe genetic, physiological, and psychosocial factors that affect susceptibility to adverse health outcomes following exposure to environmental hazards
- Specify approaches for assessing, preventing and controlling environmental hazards that pose risks to human health and the environment

Course Objectives and/or Goals

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.

Instructional Methods

- 1) Lectures: These are for general orientation.
- 2) FEMA Modules: These are integral to the course content.
- 3) Readings and Resources: In addition to the required text, supplementary readings and resources may be posted in the course. The reading list may be supplemented during the course.
- 4) Assessments: A variety of assessments will be used in this course, including assignments to present evidence of completion of the FEMA Modules, case studies and discussions, and a final project.

What is expected of you?

You are expected to actively engage in the course throughout the semester. Your participation fosters a rich course experience for you and your peers that facilitate overall mastery of the course objectives.

DESCRIPTION OF COURSE CONTENT

Topical Outline/Course Schedule

Part 1: Basics of Disasters and Response				
Modules	Date(s)	Topic(s)	Readings	Assignments
1	05/08 to 05/31	Introduction to Disaster Preparedness and Emergency Response		
2	05/08 to 05/31	Types of Disasters and Their Consequences, Role and Responsibility of Public Health	Public Health Management of Disasters: The Practice Guide: Chapter 1, 2, and 4	
3	05/08 to 05/31	Case Study of an Emerging Infection: The 2009 H1N1 Pandemic Response	Case Studies in Public Health Preparedness and Response to Disasters: Case 13	CASE STUDY 1: Case 13 - H1N1 Pandemic 2009 is due before 11:59 PM on 05/31. <ul style="list-style-type: none"> • Assignment and • Discussion

Part 2: Preparedness and Response in Humans				
Modules	Date(s)	Topic(s)	Readings	Assignments
4	06/01 to 06/28	Introduction to the Incident Command System (ICS): ICS Overview and Basic Features, Incident Commander & Command Staff Functions, General Staff Functions, ICS Facilities, Common Responsibilities	Public Health Management of Disasters: The Practice Guide: Chapter 3	FEMA Course ICS-100.B: http://training.fema.gov/EMIWeb/IS/IS100B.asp The certificate is due before 11:59 PM on 06/28.
5	06/01 to 06/28	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	Public Health Management of Disasters: The Practice Guide: Chapters 5 and 6	FEMA Course ICS-200.B: http://training.fema.gov/EMIWeb/IS/IS200B.asp The certificate is due before 11:59 PM on 06/28.
6	06/01 to 06/28	Introduction to National Incident Management System (NIMS), NIMS Preparedness, NIMS Communications and Information Management, NIMS Resource Management, NIMS Command and Management	Public Health Management of Disasters: The Practice Guide: Chapter 3 (review)	FEMA Course IS-700.A: http://training.fema.gov/EMIWeb/IS/is700a.asp The certificate is due before 11:59 PM on 06/28.
7	06/01 to 06/28	Case Study of a Man-Made Disaster: World Trade Center September 11th Attack	Case Studies in Public Health Preparedness and Response to Disasters: Case 10	CASE STUDY 2: Case 10 - World Trade Center September 11th Attack is due before 11:59 PM on 06/28. <ul style="list-style-type: none"> • Assignment and • Discussion

Part 3: Preparedness and Response in Animals				
Modules	Date(s)	Topic(s)	Readings	Assignments
8	06/29 to 08/02	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 Course IS-10: http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-10 . The certificate is due before 11:59 PM on 08/02.
9	06/29 to 08/02	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 Course IS-11a: http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-11.a The certificate is due before 11:59 PM on 08/02.
10	06/29 to 08/02	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 Course IS-111: http://training.fema.gov/EMIWeb/IS/courseOverview.aspx?code=IS-111.a The certificate is due before 11:59 PM on 08/02.

11	06/29 to 08/02	Case Study of a Natural Disaster: Floyd Flood	Case Studies in Public Health Preparedness and Response to Disasters: Case 3	CASE STUDY 3: Case 3 - Floyd Flood is due before 12/07 at 11:59PM. <ul style="list-style-type: none"> • Assignment and • Discussion <p>The Final Project is due before 11:59 PM on 08/02.</p>
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Course Materials and Technology

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/crslst.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>

For technical support for this class, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://elearning.ufl.edu/help.shtml>

ACADEMIC REQUIREMENTS AND GRADING

Assignments

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. Each of the six exams is worth 7 points for a combined total of 42% your final grade. Certificates of completion are due before 11:59PM 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 required text Case Studies in Public Health Preparedness and Response to Disasters. Each case study includes one written assignment and a minimum of one discussion board post per case study. Each case study will have two “starter question/topic” threads awaiting responses under the Discussion tab. You can choose to post a reply to one of these two, or you can post about something else related to the case study in the thread labeled as “Open Discussion” for that case study. You will only be awarded two points per case study, no extra points are given for posting in multiple discussion threads for the same case study (although multiple posts are welcome and encouraged). Each of the three assignments is worth 8 points for a combined total of 24% of your final grade. Each case study discussion board post 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. For Discussion board postings you have the option to post a written/text response or an oral (voice recording) response.

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 it is 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 11:59PM on the date listed in the chart below.

Grading

Requirement	Due date	Points or % of final grade
Case Study 1	05/31 by 11:59PM	8 points or 8% of final grade
Case Study 1 Discussion	05/31 by 11:59PM	2 points or 2% of the final grade
FEMA ICS100b	06/28 by 11:59PM	7 points or 7% of final grade
FEMA ICS200b	06/28 by 11:59PM	7 points or 7% of final grade
FEMA IS700a	06/28 by 11:59PM	7 points or 7% of final grade
Case Study 2	06/28 by 11:59PM	8 points or 8% of final grade
Case Study 2 Discussion	06/28 by 11:59PM	2 points or 2% of final grade
FEMA IS-10	08/02 by 11:59PM	7 points or 7% of final grade
FEMA IS-11a	08/02 by 11:59PM	7 points or 7% of final grade
FEMA IS-111	08/02 by 11:59PM	7 points or 7% of final grade
Case Study 3	08/02 by 11:59PM	8 points or 8% of final grade
Case Study 3 Discussion	08/02 by 11:59PM	2 points or 2% of final grade
Final Project	08/02 by 11:59PM	28 points or 28% of final grade
Total		100 points or 100%

Point System Used

Points earned	90 to 100	87 to 89	83 to 86	80 to 82	77 to 79	73 to 76	70 to 72	67 to 69	63 to 66	60 to 62	57 to 59	<57
Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E

Please be aware that a C- is not an acceptable grade for graduate students. In addition, a grade of C counts toward a graduate degree only if an equal number of credits in courses numbered 5000 or higher have been earned with an A.

Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E	WF	I	NG	S-U
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	0.0	0.0	0.0	0.0

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Policy Related to Make up Exams or Other 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.

Please note: Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail me within 24 hours of the technical difficulty if you wish to request a make-up.

Policy Related to Required Class Attendance

All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

Expectations Regarding Course Behavior

Students are expected to behave with courtesy befitting a professional student.

Communication Guidelines

Student-Instructor communication will be primarily via the elearning course site—this may be by course mail, assignment comment section, announcements, or discussion board. Students may also contact the instructor directly by email (kruegert@ufl.edu) or via phone (352 280-0121 between the hours of 8:00 AM and 7:00 PM EST).

Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

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

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>

SUPPORT SERVICES

Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, you must register with the Dean of Students Office <http://www.dso.ufl.edu> within the first week of class. The Dean of Students Office will provide documentation of accommodations to you, which you then give to me as the instructor of the course to receive accommodations. Please make sure you provide this letter to me by the end of the second week of the course. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- 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. 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: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from:
Alachua County Crisis Center
(352) 264-6789
<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

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.
