I. Course information
   Number: VEM 5510
   Course Title: Emerging and Exotic Diseases of Animals and Initial Veterinary Accreditation
   Phase: Three
   Semester: Year Round
   Course credit: 1
   Note: Distance Education

II. General information
   Course director: Fiona Maunsell
   Office location & office hours: Deriso Hall room 116, hours by prior arrangement
   Office phone number: 352-317-2847 (cell)
   Email: maunsellf@ufl.edu
   Course Faculty: Maunsell

III. Course description
   Course goals/ Educational goals of the course: This is a 1 credit online distance learning course at UF that can also count towards the Certificate in International Veterinary Medicine. This course serves two roles: 1) increased awareness of emerging and exotic diseases of animals and the response to them and 2) initial veterinary accreditation training. The ability of veterinarians in all sections of the profession to identify foreign animal disease (FAD) suspects and notify proper officials is crucial to safeguarding the United States’ animals and agricultural sector. Similarly, accurately fulfilling the tasks of an accredited veterinarian ensures the health of the nation’s livestock and animal population, and protects the public’s health and well-being.

   Student learning objectives:
   (1) Demonstrate an understanding of the purpose of veterinary accreditation and responsibilities of accredited veterinarians
   (2) Demonstrate an understanding of some of the most important emerging and exotic diseases of animals and how different countries, including the U.S., respond, or would respond, to these diseases
   (3) Demonstrate an understanding of the role of the primary care veterinarian in disease detection and surveillance and of the importance of accurate and rapid diagnosis of emerging or foreign animal diseases.
   (4) Demonstrate problem-solving abilities when faced with hypothetical case study scenarios of emerging or exotic diseases of animals.

   Course Outline, Schedule & Requirements:
   This course is entirely online and can be completed at your own pace prior to the semester deadline. The course is administered and hosted at the Center for Food Security and Public Health at Iowa State University, and was developed in conjunction with the United States Department of Agriculture (USDA). The course coordinator sets required modules, monitors students’ progress, assigns course grades and is available for any help/discussion via email, phone or in-person meetings. The online course consists of contains 5 sections that you are graded on: 1) Veterinary Accreditation Lessons, 2) Emerging and Exotic Diseases of Animals (EEDA) Lessons, 3) Disease Incursions, 4) Scenarios, and 5) Infectious Inquiries. These are described below. There are also links to external resources and an online course evaluation
which can be accessed through the course website. **Specific instructions on how to log into the course and the course password are provided at the end of this syllabus.**

The Veterinary Accreditation Lessons provide students with information about the purpose of veterinary accreditation and responsibilities of accredited veterinarians. There is a quiz for each lesson, with the exception of the “Introduction to Veterinary Accreditation” lesson. The short introduction should be read first before completing the other lessons. **You must complete all Veterinary Accreditation lessons and quizzes (listed in the IU table, below).** Although accreditation with the USDA is independent of the EEDA course for UF credit, completing this section of the course fulfills part of the requirements for USDA accreditation. You will learn more about USDA accreditation as you progress to graduation. More information on accreditation is given below; please read it carefully as it contains important information which impacts accreditation.

The EEDA Lessons increase the student’s awareness of emerging and exotic diseases of animals and the U.S. response to them. These lessons are very similar to the chapters in the Emerging and Exotic Diseases of Animals text book you received, except the last 2 lessons (“Risk Communication” and “Preparing for the Psychological Impact of Disaster Response”) are not included in the book. There is one quiz for each EEDA Lesson. **Complete the first 4 EEDA Lessons (listed in the IU table, below) and their quizzes.** There are 3 additional modules listed in EEDA lessons; although it is not required to pass the course, it is highly recommended that you read the “Risk Communication” and “Psychological Impact of Disaster Response” lessons, particularly if you anticipate being involved in disaster response. Similarly, if you anticipate being involved in wildlife medicine, the lesson on “Disease at the Wildlife-Domestic Animal Interface” is highly recommended but is not required to pass the course.

The Disease Incursions are descriptions of actual recent examples of emerging or exotic disease events. Like the EEDA lessons, they are designed to increase the student’s awareness of emerging and exotic diseases of animals and the U.S. response to them. These are also described in Chapter 5 of your textbook. There are 12 incursions, with a quiz for each one; **you are required to complete the 7 Incursions listed in the IU table, below.** You are encouraged to complete any other incursions that interest you.

The Scenarios are hypothetical case studies where students play the role of a veterinarian who is called out to investigate an illness. The students work through the case as a veterinarian would and learn about a variety of important animal diseases in the process. There is a quiz for each scenario. You must complete the 6 marked (*) and bolded) scenarios PLUS an additional 4 scenarios of your choosing; these are listed in the IU table, below.

The Infectious Inquiries are brief descriptions of clinical situations followed by several multiple choice questions. The student must do some reading to find answers to the questions. The student may find the fact sheets at [http://www.cfsph.iastate.edu/DiseaseInfo/index.php](http://www.cfsph.iastate.edu/DiseaseInfo/index.php) helpful (there is a link to this on the “Inquiries” homepage). Each fact sheet has a differential diagnosis section that can help too. **You must complete any 2 of the 20 Infectious Inquiries.** You are welcome and encouraged to work through any additional Infectious Inquiries that interest you. They make great boards review!

The Links page contains resources helpful for EEDA awareness, preparedness, prevention and response. The tables and charts provide a quick overview of the most important diseases.

**Initial Veterinary Accreditation Training Requirements and IAT certificate:** If you plan to become accredited after you graduate you will need to attend Core Orientation which is organized by USDA here at the College during the fall semester (November) of your senior year. You MUST have completed the Initial Accreditation Training (IAT) certificate through this web based course to be able to attend the USDA Core Orientation. Please **print out and/or save your certificate** in a secure place for your future
use. You will not receive notification when you have earned your certificate. You must access it through the link on the course web site (link is in the right-hand column under the pig picture). Do not depend on future access to the course to have a copy of your certificate. You are responsible for saving and retaining the certificate after the end of this course; Dr. Maunsell does not keep copies of them or have access to your certificate. **Requirements for the IAT certificate are met through this course, but you are responsible for printing out and/or saving your certificate.**

The allocation of IU for this course are as follows:

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<th>IU</th>
<th>Course section</th>
<th>Topic</th>
<th>Quiz</th>
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| 1-2  | Veterinary Accreditation Lessons                  | 1. Introduction to Veterinary Accreditation - complete this lesson prior to doing the rest. There is no quiz, but reading the lesson is required.  
2. Accredited Veterinarian: Professional and Ethical Responsibilities.  
3. Federal Animal Health Laws  
4. Animal Disease Diagnosis, Control and Eradication | There is no quiz for lesson one, but the other three lessons have a quiz of 8-12 questions |
| 3-4  | EEDA (Emerging and exotic diseases of animals) Lessons | 1. Causes and Consequences of EEDA: Role of the Veterinarian (Chap 1 in textbook)  
2. Routes of Transmission and Introduction of Foreign Animal Disease (Chap 2 in textbook)  
3. Agencies Involved in the Response to Outbreaks of Foreign Animal Disease (Chap 3 in textbook)  
4. A Veterinarian’s Role in an Animal Health Emergency (Chap 4 in textbook) | Each lesson has a required quiz of 5 to 11 questions |
| 5-6  | Disease Incursions (descriptions of EEDA events)  | 1. Influenza Viruses (avian, canine, swine) and their changing host relationship  
2. Classical Swine Fever in the United Kingdom, 2000  
3. Foot and Mouth Disease in the United Kingdom, 2001  
4. Foot and Mouth Disease in Uruguay, 2001  
7. West Nile Virus in the U.S., introduced in 1999 (there are 4 more disease incursions that are not required) | Each of the 7 required disease incursions has a 5 question quiz |
| 7-12 | Scenarios (hypothetical case studies)             | You must complete 6 marked (*) scenarios PLUS an additional 4 scenarios of your choosing. Note these change each year so you must get the semester-specific information from Dr. Maunsell when you enroll in the course. The ones marked here are required for the class of 2013. Agroterrorism/Bioterrorism  
*Parrots Ruffled Feathers*  
Immobile Milking Cow  
Sick Cattle in Florida | There is a required quiz for each of the 10 scenarios you complete, and each quiz has 10 questions. |
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<tr>
<th>Parasitic Disease</th>
<th>Equine Respiratory Disease</th>
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<tr>
<td><em>Neurologic Ruminant</em></td>
<td><em>Zoonotic Disease of Sheep</em></td>
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<td><em>Ticks</em></td>
<td><em>Equine Neurologic Syndrome</em></td>
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<td><em>Dairy Cattle Abortion</em></td>
<td><em>Zoo Outbreak</em></td>
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*More than just a cat abscess*

*Sick Rabbits*

*The Purple Pig*

*Fish Diseases*

*Ruminant Herd Outbreak* | *Vesicular Disease of Swine* | *Diseased Poultry* | *Vesicular Dz: What you say*

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<th>13-15</th>
<th>Infectious Inquiries (Hypothetical case studies that require research to answer required questions)</th>
<th>You must complete any 2 of the 20 Infectious Inquiries.</th>
<th>Each Infectious Inquiry has a series of 9 to 15 questions that you have to work through</th>
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<td>Bovine CNS / Systemic Disease</td>
<td>Bovine Respiratory Disease</td>
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<td>Bovine Respiratory Disease</td>
<td>Bovine Systemic Disease</td>
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<td>Bovine Respiratory Disease</td>
<td>Bovine Congenital Abnormalities</td>
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<td>Bovine Skin Disease</td>
<td>Bovine Tuberculosis</td>
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<td>Caprine Respiratory Disease</td>
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<td>Cervine CNS Disease</td>
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<td>Equine Respiratory Disease</td>
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<td>Equine Systemic Disease</td>
<td>Feline CNS Disease</td>
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<td>Feline Reproductive Disease</td>
<td>Ovine Reproductive Disease</td>
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<td>Pet Avian Respiratory Disease</td>
<td>Swine Systemic Disease</td>
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**IV. Course Materials:**

- **Required texts:** None
- **Recommended / Reference texts:** Emerging and Exotic Diseases of Animals 4th edition, Center for Food Security and Public Health, provided to you free of charge by the USDA. This will be handed out in VEM5503 Veterinary Epidemiology, last year, but if you don’t have your contact Dr. Maunsell.

**V. Evaluation/ Grading/ Testing:**

**The deadline for completing the course for Summer C is 5pm the 1st Friday in August.**

This course is Pass / Fail. The course is meant to be completed at your own pace and convenience. Students are expected to read the assigned readings and pass (obtain a score
of at least 80%) for each of the associated quizzes. You can retake each quiz as many times as you need to obtain the required score of at least 80%. However, **there is a 30 minute delay imposed** between each time you retake a quiz, and the questions are scrambled. You are encouraged to read the learning objectives and concentrate on the material as you go through each lesson. This will help you to pass on the first try.

- The online grade book allows you to view your progress through the course at any time. Your course is graded Pass / Fail based on if you complete all the required quizzes with the required 80% score. The score shown in your grade book for each section is the lowest score you received; it is NOT the score for your course. The course is only Pass/Fail.
- If you take a quiz multiple times, your highest score is what is recorded.
- The grade book is divided into Categories (e.g. Veterinary Accreditation lessons, EEDA lessons, etc.) like the lessons and quizzes.
- The Category totals show a Pass or Fail depending on if you received >=80% on all the required quizzes in that Category.
- In Categories where you must complete only some of the quizzes available, (e.g. Choose 4 of the available Scenarios) only the number of required quizzes for that Category is counted. So if you must take 2 out of 10 quizzes in a Category, and if you take 3 quizzes, only your two highest scores will be considered.

Your course total score will show a "Pass" if you have completed all the required quizzes with at least an 80% score. It will show "Fail" if you have not yet completed one or more required quiz or if you received less than an 80% score on a required quiz.

VI. Administrative Policies: see Student Handbook @

College and UF Policies:
UFCVM policies that address class attendance, remediation, grading, academic integrity, classroom responsibilities, and accommodations for students with disabilities, as described in the Handbook for Students in the Professional Veterinary Curriculum ([http://www.vetmed.ufl.edu/education/dvmstudents/](http://www.vetmed.ufl.edu/education/dvmstudents/)), will be followed.

VII. Other information: Accessing the Course (this is semester-specific)

**Step 1: Create An Account on the EEDA / IAT Web Site**
- Go to the Association of American Veterinary Medical Colleges site: [http://www.aavmc.org](http://www.aavmc.org)
- In the far right column below the box titled “Programs and Initiatives” is a large button labeled “Be Prepared to Respond to Emerging Diseases”. Select that button.
- Near the bottom of the next page select the “Emerging and Exotic Diseases of Animals” logo that says “Select here to begin” below it.
- Initially you will need to set up your own account using the "Create Account" link in the Login box on the left side of the screen once you arrive at the Emerging and Exotic Diseases of Animals site.
We suggest that you use your full email address as your user name (e.g. someone@hotmail.com or someone@youruniversity.edu). You are welcome to use any username that is available. You will have to supply and access a valid email address during the account creation process. Use an email account that you expect to keep for several years so that you can get access later if needed.

- Your password will need to be at least 8 characters (letters and/or numbers) long.
- You will receive a conformation email within a few minutes (usually right away but sometimes up to 10 - 15 minutes) that has a link to verify your email address. If you do not receive the email please check your spam / junk folders.

**Step 2: Log in to the EEDA/IAT site and Enroll in the appropriate Course**

- Use the Username and Password you created in Step 1.
- Once you are logged in select the appropriate EEDA/IAT course from the list of 2014-2015 courses. The course name is **“University of Florida VEM5510 Summer 2014”**
- You will be asked to enter an “enrollment key”. Enter the enrollment key: **2015gogators** in the box that will look like the picture below:

  ![Enrollment key input](image)

- In the future when you log in to use the course you will not have to enter the enrollment key. The enrollment step is a one-time procedure.

- **Please set your time zone.** As you are not in the Central Time Zone, then the time displayed for when you can retake quizzes will be incorrect unless you set this function. Select the “Profile” link in the upper left navigation menu or select your name in the upper right of the screen, then select the “Edit Profile” tab. This will ensure that the time you are eligible to retake a quiz will display correctly. Set your time zone using one of the choices that automatically adjusts for Daylight Savings Time changes.

  Example: **America / New York** - Eastern

* If you have difficulty with the website please email eeda@iastate.edu. For questions regarding the course, contact Dr. Maunsell (maunsellf@ufl.edu)