

Integrating Veterinary Medicine with Shelter Systems

I. Course information

Course Numbers: VEM 5321/VME 6810/VME 6934 all sections

Course Title: Integrating Veterinary Medicine with Shelter Systems

Course credit: 3 Graduate Credit Hours

II. General information

Course Coordinator: Terry Spencer, DVM, MEd

Office location & contact information:

- **Online by email within e-learning. Please allow 48 hours for reply.**
- **VS-4 on-campus**
- **Contact Student Support Services in VS-3**

Office phone number: 352-294-4757

Email: sheltermedicine.online@vetmed.ufl.edu

Online Course Instructors:

Lead Instructor: Terry Spencer, DVM, MEd

Co-Instructors:

Brenda Griffin, DVM, MS, DACVIM;

Lisa Shriver, DVM, Certificate in Shelter Medicine and Veterinary Forensic Sciences;

Lena DeTar, DVM, Certificate in Shelter Medicine and Maddie's® Resident at Oregon Humane Society

- **Contact instructors by email within e-learning.**
- **Please allow 48 hours for a response to an email by the instructors.**
- **Office Hours will be posted by announcement and offered in the Chat Room or via the Adobe Connect tool within e-learning**

Website: <http://sheltermedicine.vetmed.ufl.edu/>

III. Course objectives:

By the end of this course, students will be able to:

1. Use the Association of Shelter Veterinarians (ASV) Guidelines for Standards of Care in Animal Shelters as a guide for the practice of veterinary medicine in a shelter environment.
2. Use reliable medical information to support best practices within an animal shelter.
3. Recognize common infectious diseases, behavioral problems, and examples of animal cruelty or neglect presented to animal shelters and describe the shelter veterinarian's role in responding to such issues.
4. Explain the scope of issues related to animal homelessness and interpret recent trends surrounding those issues.
5. Compare and contrast sheltering methods and assess each method for how well it addresses the "Five Freedoms" of animal welfare.
6. Monitor employment opportunities that exist for veterinarians in shelters and compare the training and experience needed for success in such positions.
7. Explain key concepts involved with the practice of Shelter Medicine such as: sanitation, preventive health care, disease outbreak management, behavioral assessments, stress control, population management, cruelty investigations, and high-quality/high-volume sterilization and outline plans for addressing each concept.

Which objectives do the assignments meet?							
	Objective 1	Objective 2	Objective 3	Objective 4	Objective 5	Objective 6	Objective 7
Chapter 2: Dear Shelter Director Letter	X	X	X				X
Chapter 3: Medical Evidence Assignment		X	X				X
Chapter 4: Common Behavioral Programs/Asilomar Classifications	X	X	X		X		X
Chapter 5: Cat Cam Evidence Assignment	X	X		X	X		X
Chapter 6: Analyze One Monthly Data Report	X	X		X			X
Chapter 7: Discuss Various Shelter Missions	X			X	X	X	
Chapter 7: Debate "No-Kill" Mission	X			X	X	X	
Chapter 8: Locate and Compare Job Descriptions				X		X	
Chapter 9: Discuss Issues, Concerns, and Techniques Involved with HQHV Sterilization	X	X		X		X	X
Infectious Disease Project		X	X				X
Forensics Project		X	X				X
Behavior and Welfare Project		X	X		X		X

IV. Course Materials

Required Resources:

1. *Shelter Medicine for Veterinarians and Staff, Second Edition*, Lila Miller and Stephen Zawistowski (editors), Blackwell Publishing, 2013.
2. *Infectious Disease Management in Animal Shelters*, Kate Hurley and Lila Miller (editors), Wiley-Blackwell Publishing, 2009.
3. *ASV Guidelines for Standards of Care in Animal Shelters*
Download a copy from the Association of Shelter Veterinarians website at <http://www.sheltervet.org/>

Recommended Additional Resources: (Optional)

1. *Feline Infectious Diseases*, Katrin Hartmann and Julie Levy (editors), Manson Publishing/The Veterinary Press, 2011.
2. *Infectious Diseases of the Dog and Cat, Fourth Edition*, Craig E. Greene, Elsevier Health, 2011.
3. *Maddie's Infection Control Manual for Animal Shelters: for Veterinary Personnel, First Edition*, Christine A. Petersen, Glenda Dvorak, and Anna Rovid Spickler (editors), Center for Food Security and Public Health, Iowa State University, 2008.
4. *Veterinary Forensics, Animal Cruelty Investigations*, Melinda Merck, Wiley & Sons, 2013.
5. *BSAVA Manual of Canine and Feline Behavioural Medicine*, Debra Horwitz and D.S. Mills, British Small Animal Veterinary Association, 2009.
6. Various readings available on UF's Electronic Reserves, accessible via: <https://ares.uflib.ufl.edu> and within e-learning Course Reserves area.

Technology Requirements

1. High-speed internet access, a desktop or laptop computer, and multiple internet browsers (Mozilla Firefox, Google Chrome, or Safari). Do NOT use Internet Explorer. Apple iOS and mobile devices (tablets) are not completely compatible with e-learning.
2. A working headset with microphone to participate in optional live chats in Adobe Connect webinar tool.
3. Microsoft Office Software installed and basic skills for using Word and Excel. Students with a UF GatorLink ID have free access to Lynda.com for training and are able to download discounted software from the UF Computing Help Desk ([UF Software Services](#)).

V. Due Dates, Assignments, and Grading

Dates in **BOLD** are **FIRM** and you will lose points if you miss the due date. Other dates can be flexible, **HOWEVER**, if you expect to submit your work more than 3 days beyond a listed due date, then you **MUST** notify your Instructor and TA first or you will lose at least **50%** of points for that assignment.

PACE CHART Summer 2014	
May 12, 2014	Course opens in e-Learning at: lss.at.ufl.edu
May 19, 2014	Chapter 1: Assignments Due
May 26, 2014	Chapter 2 : Assignments Due, Select topic for Infectious Disease Project
June 2, 2014	Chapter 3: Assignments Due, Select topic for Forensics Project
June 9, 2014	Chapter 4: Assignments Due, Select topic for Animal Behavior and Welfare Project
June 16, 2014	Chapter 5: Assignments Due
June 23, 2014	Chapter 6: Assignments Due
June 30, 2014	Chapter 7: Assignments Due
July 7, 2014	Chapter 8: Assignments Due
July 14, 2014	Chapter 9: Assignments Due
July 28, 2014	THREE PROJECTS DUE
August 8, 2014	Chapter 10: Assignments Due: Project Reviews , Peer-Review minimum of 12 projects submitted by classmates (4 Infectious Disease projects, 4 Forensics projects, and 4 Behavior/Welfare projects) Course Closes

Weekly Assignments Schedule

Week	Required Readings/***Firm Dates	Req. Assignments	Extra-Credit Assignments
May 12-May 19	<p>Required Readings for Chapter 1: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • "Forward" • "Introduction, Background, and How To Use This Document" <p><u>Shelter Medicine for Veterinarians and Staff, Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 1, pg. 3-12 "Introduction to Animal Sheltering" <p>***Attend Online Orientation : Either May 14 or May 17 at 9 pm eastern ***</p>	<p>1A, 1B, 1D</p> <p>3 Points</p> <p>***Attend One Online Orientation Session</p>	<p>1C</p> <p>1 Point</p>
May 19-May 26	<p>Required Readings for Chapter 2: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • "Sanitation" • "Population Well-being" and "Response to Disease or Illness" <p><u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 4, pg. 37-47 "Sanitation" • Chapter 16, pg. 281-286 "Strategies for Management of Infectious Diseases in a Shelter" • Chapter 20, pg. 343-348 "Treatment Strategies" <p><u>Infectious Disease Management in Animal Shelters</u></p> <ul style="list-style-type: none"> • Chapter 4, pg. 49-60 "Sanitation and Disinfection" <p>***Select topic for Infectious Disease Project***</p>	<p>2A,</p> <p>6 Points</p>	<p>2B</p> <p>1 Point</p>
May 26-June 2	<p>Required Readings for Chapter 3: <u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 22, pg. 380 "The Veterinary Role in Handling Animal Cruelty; in Overview of Animal Cruelty Laws" • Chapter 23, pg. 383-406 "Veterinary Forensics: Medical Evaluation of Abused Live Animals" • Chapter 24, pg. 407-420 "Examination of the Deceased Victim" <p><i>Veterinary Pathology Online, "Forensic Pathology of Companion Animal Abuse and Neglect"</i>, Gerdin and McDonough. (available in Course Reserves)</p> <p>***Select topic for Forensics Project***</p>	<p>3A</p> <p>6 Points</p>	<p>3B</p> <p>1 Point</p> <p>Live Chat 5/28/14 1 point</p>
June 2-June 9	<p>Required Readings for Chapter 4: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • "Behavioral Health and Mental Well-being" <p><u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 33, pg. 531-539 " Behavioral Evaluation, Adoption, and Follow-up" • Chapter 34, pg. 541-557 "Behavioral Enrichment" <p>***Select topic for Animal Behavior and Welfare Project***</p>	<p>4A</p> <p>6 Points</p>	<p>4B</p> <p>1 Point</p>

June 9-June 16	<p>Required Readings for Chapter 5: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • Five Freedoms", • "Facility Design and Environment", • "Group Housing" • "Animal Handling" <p><u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 3. pg. 26-31 "The Shelter Environment in Shelter Design" • Chapter 7, pg. 83-92 "Quality of Life, Stress, and Emotional Pain in Shelter Animals" • Chapter 9, pg. 133-142 "Housing, Sanitation, and Nutrition in Canine Care in the Animal Shelter" • Chapter 10, pg. 172-179 "Housing, in Feline Care in the Animal Shelter:" <p><u>Infectious Disease Management in Animal Shelters</u></p> <ul style="list-style-type: none"> • Chapter 2, pg. 17-38 "Wellness" 	5A, 5B, 5C, 5D, 6 Points	5E 1 Point Live Chat 6/11/14 1 point
June 16-June 23	<p>Required Readings for Chapter 6: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • "Population Management" <p><u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 8, pg. 93-113 "Population Management" • Chapter 41, pg. 669-679 "Management of Stray and Feral Community Cats" 	6A, 6B 5 Points	6C 1 Point
June 23-June 30	<p>Required Readings for Chapter 7: <i>ASV Guidelines for Standards of Care in Animal Shelters</i></p> <ul style="list-style-type: none"> • "Management and Record Keeping," <p><u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 2, pg. 13-20 "Population Statistics" 	7A, 7B 5 Points	7C 1 Point Live Chat 6/25/14 1 Point
June 30-July 7	<p>Required Readings for Chapter 8: <u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 5, pg. 49-58 "Administrative Issues" • Chapter 6, pg. 59-79 "Legal Issues for Shelters" <p><i>Animal Sheltering</i> "Shelter Medicine: A Blend of Science and Art" (available in Course Reserves)</p>	8A, 8B, 8C 10 Points	8D 1 Point
July 7-July 14	<p>Required Readings for Chapter 9: <u>Shelter Medicine for Veterinarians and Staff Second Edition</u></p> <ul style="list-style-type: none"> • Chapter 37, pg. 579-591 "Spay/Neuter Services for Shelter and Community Animals" • Chapter 39, pg. 625-636 "Surgical Techniques for Spay/Neuter" • Chapter 40, pg. 659-664 "Techniques for Pediatric Spay/Neuter, in Pediatric Neutering" <p>Chapter 42, pg. 689-694 "Nonsurgical Sterilization of Cats and Dogs" PDF from <u>JAVMA</u></p> <p>JAVMA "Special Report: ASV Guidelines for Spay/Neuter" (Course Reserves)</p>	9A 2 Points	9B 1 Point Live Chat 7/9/14 1 Point

July 14- July 28	Three Projects Due: Infectious Disease, Forensics, and Behavior & Welfare	2C, 3C, 4C 57 Points	
July 28-August 8	Peer-Review Projects	10A, 10B, 10C 12 Points	
Total Points	***Must submit at least 3 Minute Papers over the semester***	118 points	13 Points