

# Role of the Modern Veterinarian -- The Modern Student's View

Hayley Dieckmann and Casie Lee  
Incidents Involving Animals Conference 2017



# History of sVERT

- Student arm of Veterinary Emergency Response Team (VERT)
  - Originally Veterinary Medical Assistance Team (VMAT), est. 1990
- Lunch talks and wet labs
- Local response
  - Hurricane Floyd (1999)
  - Yolo Co. fire (2006)
  - Valley fire (2015)
  - Tubbs fire (2017)



# My roots - Casie Lee





# My roots - Hayley Dieckmann



# Student Interest

**Survey results from 100 UC Davis 3rd-year veterinary students on February 6, 2015.**

Tricia Andrade, DVM, MPVM, “Developing Community Readiness for Companion Animal Emergency Response For Mass Care Events in Yolo County, California”

**Have you participated in any kind of emergency preparedness training for animals?**

Yes 28%

No 72%

**In the event of an evacuation, are you aware of what to advise animal owners where to take their animals?**

Yes 7%

No 93%

**Are you interested in participating in training before you graduate?**

Yes, for companion animals 85%

Yes, for large animals 38%

No 7%

# sVERT

## Special Studies Program (SSP)

The Special Studies Program is **student-led lecture and field lab series** designed to function as a badge that communicates to other emergency responders the extent of our background and training in disaster response.

Disaster medicine is not covered in the current UC Davis SVM veterinary curriculum and the special studies program is a joint effort by the UC Davis Veterinary Emergency Response Team (VERT) and its student arm (sVERT), to fill in this gap in our veterinary education.

# Goals of SSP

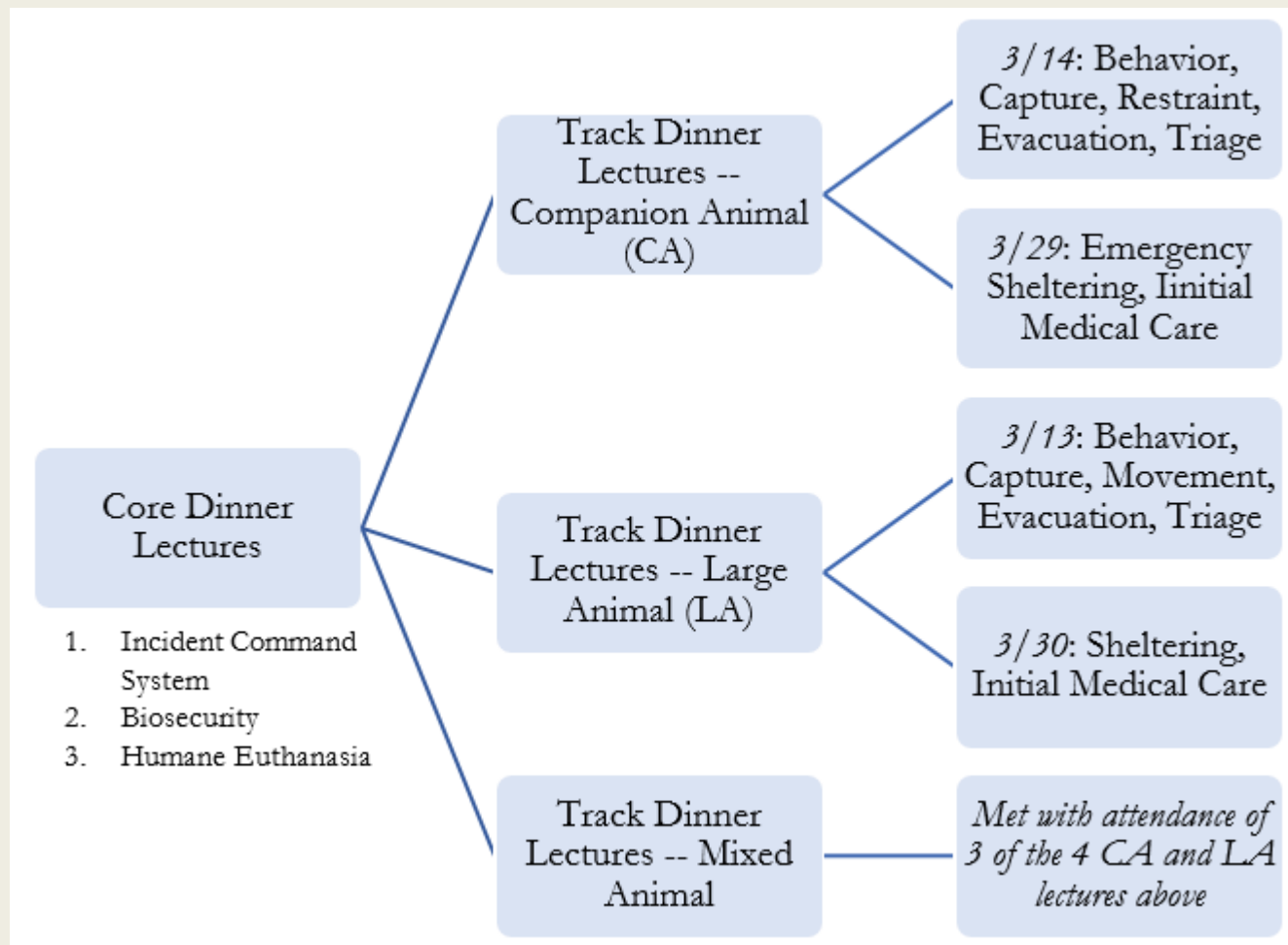
The goals of the sVERT Special Studies Program are two-fold:

1. To prepare veterinary students with the knowledge and **practical training** to be able to **engage with and serve the community** in the event of an emergency situation or disaster
2. To establish a set of basic **understanding and skillset** that can be expected of a veterinary student during an incident response.

Level 1 required **15.5-18.5 hours** of combined lecture and field/lab exercises and focuses on basic foundations of incident response.

Level 2 equips students with the critical thinking and technical skills for field application.

# SSP Level 1 at a glance





# SSP Level 1 at a glance

*April 8, 8-12pm*

## Companion Animal

- Emergency sheltering
- Table-top exercises

*April 8, 1-5pm*

## Large Animal

- Downed horse management
- Vertical lift
- Anderson sling
- Loose livestock movement and capture

*April 8, all day*

## Mixed Animal

- *Met with the attendance of both Companion Animal and Large Animal sessions*

# Learning objectives

## **1. ICS, Agencies, Veterinarian Roles**

- *Know the basic definition and components of the Incident Command System (ICS), National Incident Management System (NIMS) and (SEMS)*
- *Understand why ICS is important*
- *Recognize the expertise and responsibilities of potential responding agencies (fire department, police, animal control, veterinarian, and volunteer responders)*
- *Describe the roles of a veterinarian in the 4 phases of a disaster*
- *Describe professional and volunteer organizations – DSW, MRC, CERT*

# Some perspective...

GMT-07	Sun 10/1	Mon 10/2	Tue 10/3	Wed 10/4	Thu 10/5	Fri 10/6
7am				7 - 7p CLI1 - VMTH Mini-rotation [VET416] * VMTH,		
8am			8 - 9 LEC32 - Anatomy of the 1030 VALLEY,		8 - 9 LEC34 - Hypertension 2110 MPT,	8 - Quiz for CE
9am		9 - 10 LEC27 - Comparative 1030 VALLEY,	9 - 10 LEC33 - Nasal and airway 1030 VALLEY,		9 - 11 CBL2 - Hypertension CBL [VET408] 2110 MPT,	
10am		10 - 11 LEC28 - Anatomy of the 1030 VALLEY,	10 - 12p DIS5 - Thoracic Imaging - Upper Airway [VET408] 1030 VALLEY,			10 - 12p EXM3 - Quiz 3 [VET408] 1030 VALLEY,
11am		11 - 12p LEC29 - Imaging - Upper 1030 VALLEY,			11 - 12p LEC35 - Comparative 1030 VALLEY,	
12pm			12p - 1p DSW Swear-in			At 12p 3rd Annual Each Aggie Matters Panel
1pm		1p - 2p LEC30 - Congenital 1030 VALLEY,				1p - 2p LEC36 - Pulmonary 1030 VALLEY,
2pm		2p - 3p LEC31 - Congenital 1030 VALLEY,				2p - 3p LEC37 - Pulmonary 1030 VALLEY,
3pm		3p - 5p DIS4 - Clinical consequences of congenital defects [VET408] 1030 VALLEY,			3p - 5p LAB8 - Histology of the Respiratory Tract [VET408] 1130 MPT,	3p - 5p DSL4 - Lung sounds [VET408] TBA,
4pm						
5pm		5p - 6:30p SSP Level 1 Core Lecture 1 [sVERT] Valley 1041,	5p - 6p Mandatory Training Dates for November Covelo Clinic			
6pm						

# SSP Level 1 Outcomes

Upon completion of the Special Studies Program, students will receive the following:

- ICS 100b certificate from FEMA
- Award of Completion from the Int'l Animal Welfare Training Institute (IAWTI)
- Medical Reserve Corps (MRC) volunteer registration under UC Davis VERT (*optional*)
- Disaster Service Worker (DSW) registration with Yolo County (*optional*)



# Continuing to build: SSP Level 2

- Case-based discussions
  - **Emergency triage**
  - **Fluids and initial care**
- Wet labs
  - Equine burns and bandaging
  - Small animal handling and restraint
- Integrating with community
  - Mock incident with the UCD Fire Department
  - Return to Freedom Wild horse conservation

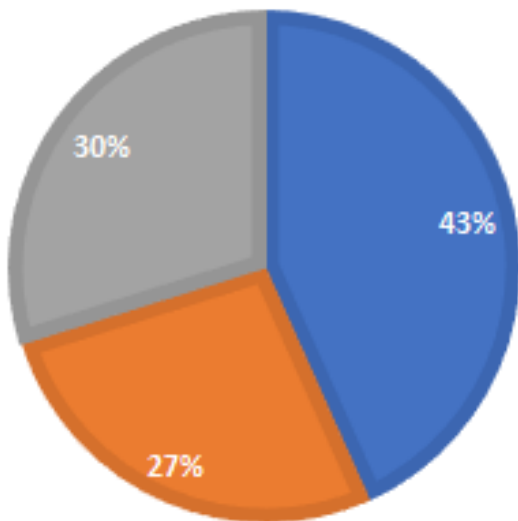
Goal: **translate professional skills** into emergency and disaster medicine

# Student Interest

2016-2017 (Pilot year): **67 students**

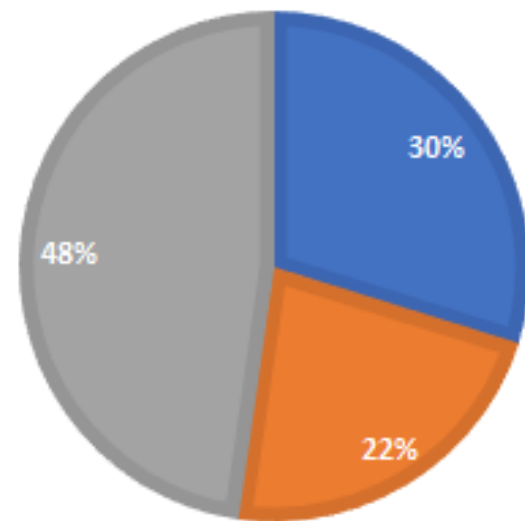
## SSP BY CLASS (16-17)

■ 1st year ■ 2nd year ■ 3rd year



## SSP BY TRACK (16-17)

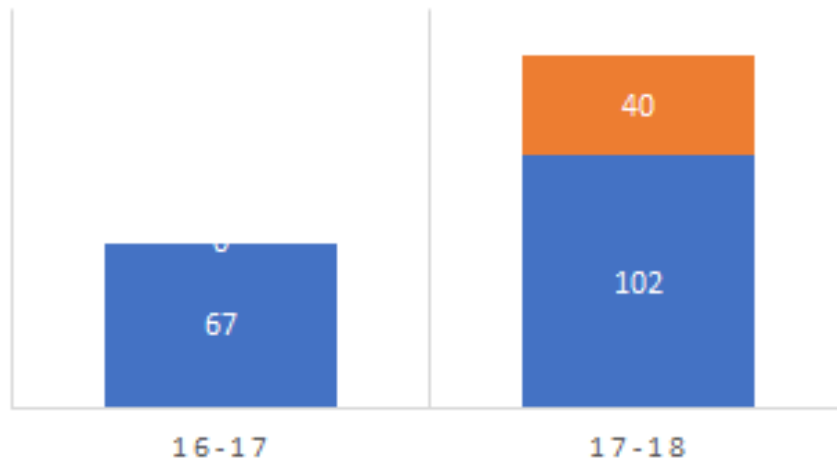
■ Companion Animal ■ Large Animal ■ Mixed Animal



# Student Interest

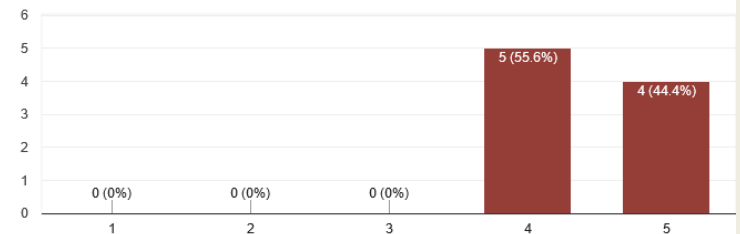
## SPECIAL STUDIES PROGRAM GROWTH

■ Level 1 ■ Level 2



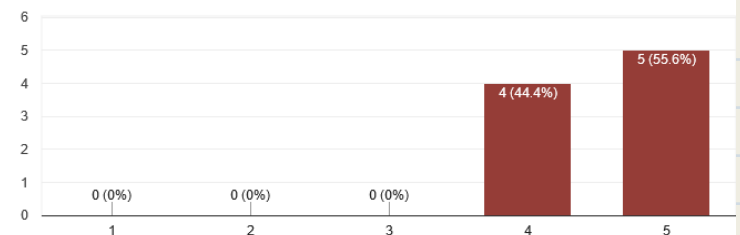
How satisfied were you with the program?

9 responses



How relevant and helpful do you think it was for your interests?

9 responses



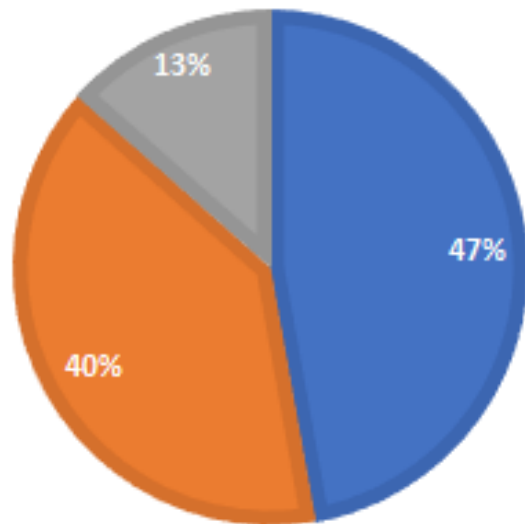
- 27 students sworn-in as Yolo County Disaster Service Workers (Oct 2017)

# Student Interest

2017-2018: 142 students

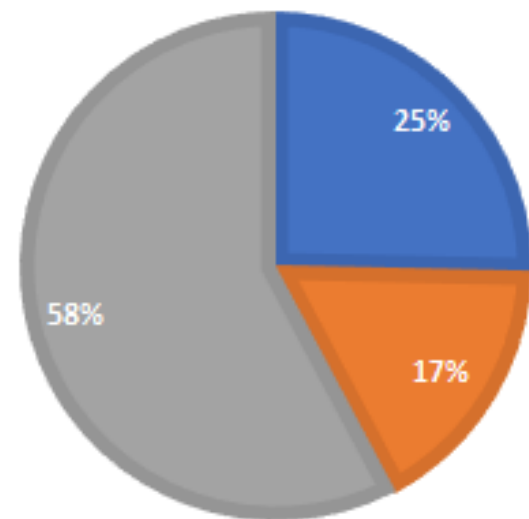
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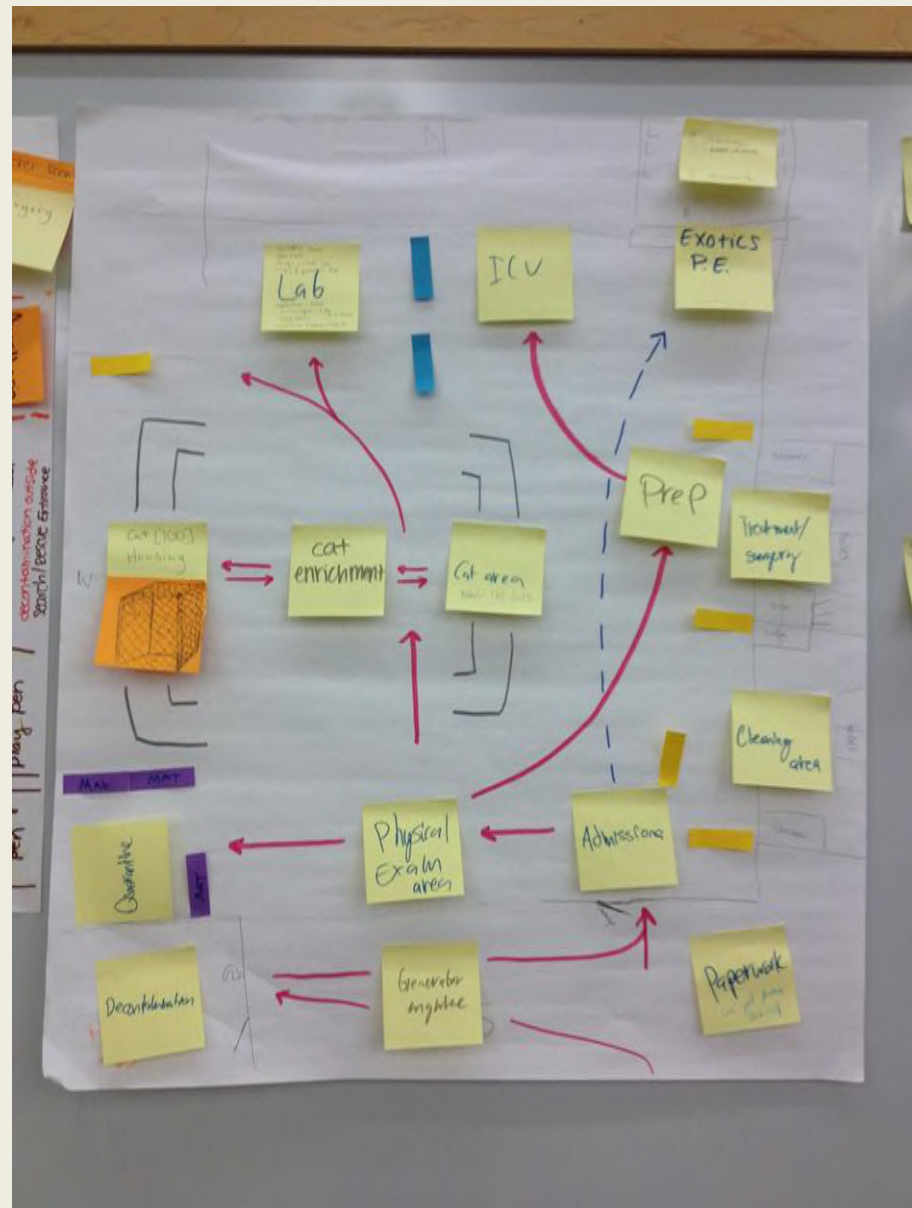
■ Companion Animal ■ Large Animal ■ Mixed Animal







April 8, 2017. Small animal sheltering exercise.



April 8, 2017. Small animal sheltering exercise.





April 8, 2017. Field exercises.



April 8, 2017. Field exercises.





April 8, 2017. Field exercises.



April 8, 2017. Field exercises.





October 3, 2017, Yolo County Disaster Service Worker Swear-In

# Thinking about our future...

What is your current career direction?

None Chosen

None Chosen

Academics/research/teaching

Private Practice

Private Specialty Practice

Public sector/government/military

Other

What is your current primary species/career focus?

None Chosen

Equine

Fish

Food animal/livestock

Lab animal

One Health/Environment Health/Conservation

Pathology

Poultry

Public sector/government/military

Research

Shelter medicine/animals

Small animal

Small animal - Dermatology

Small animal - Ophthalmology

Small animal - Medicine / Urinary Systems

Small animal - Surgery

Small animal - CAPE/Avian

Wildlife

Zoo

Avian/Exotic

Other



# A changing (veterinary) world

## Leading Veterinary Medicine, Addressing Societal Needs

- Identifying societal needs
- Forging new relationships
  - First responders
  - Government agencies
  - Community resource
- Community outreach



April 23, 2017. Picnic Day.





April 23, 2017. Picnic Day.





April 23, 2017. Picnic Day.





October 11, 2017. Solano Co. Fairgrounds.





October 11, 2017. Santa Rosa.





October 11, 2017. Santa Rosa.

# The modern veterinarian

- Outreach
- Collaboration and building relationships --  
**“standing on the shoulders of giants”**
  - Yolo County
  - UCD Fire
  - BARTA
  - Visiting scholars (international perspective)

What *is* the role of the modern veterinarian?

# Thank You

If you would like to contact either of us directly:

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