

The University of Findlay

Summer 2022

The mission of The University of Findlay is to equip our students for meaningful lives and productive careers.

Course Number: ANSC 450: Tropical Shelter Medicine, Management and Welfare: From Companion Animals to Elephants

Credit Hours: 3

Class Time/Place: Loop Abroad Thailand Session 1: May 15-May 29; Session 2: May 29-June 12; Session 3: June 12-June 26; Session 4: June 26-July 10; Session 5: July 10-July 24; Session 6: Aug 14-28

Prerequisites, Co-requisites and Course Description:

This 2-week course takes place at two of our Thai project partners, one week focusing on small animal medicine and management and one week focusing on elephant welfare and care. The course will prepare you to safely care for and manage companion animals in a shelter, surgical, and clinical setting and elephants in a rescue or sanctuary setting.

Instructor: Pijitra Seeta, DVM; Kristina Perez, DVM; Ashley Hill, DVM; Amy Everly, DVM; Brian Thomas, DVM; Ruby Navarro, DVM; Kamilla Woldike Breum, DVM

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Course Objectives:

The following Learning Objectives will be addressed or assessed as part of the course:

- **Understand** and **Apply** basic care, treatment, and management of companion animals
- **Understand** and **Apply** skills learned to demonstrate proficient handling and restraint of canines and felines
- **Understand** and **Apply** skills learned to demonstrate proficiency in injections, venipuncture and medical specimen collection procedures
- **Apply** safe protocols for companion animal management to provide for comfort, safety, and well-being of patients in a veterinary setting

- **Understand** both US standards of care and adjustments made in international shelter setting
- **Understand** basic anatomy and physiology of Asian elephants
- **Understand** and **Apply** basic husbandry, treatment and management of captive elephants in free and protected contact settings
- **Analyze** the plight of the Asian elephant and measures being taken to improve their welfare in captivity
- **Evaluate** the diet of an Asian elephant while conducting a diet analysis

Recommended Textbooks and Other Materials:

- **You are not required to purchase these texts on your own. All required texts, research articles and information will be provided in class.**
- Loop Abroad's: Companion Animal Veterinary Medicine Workbook
- Loop Abroad's: Elephant Conservation, Medicine and Management Workbook
- Materials for notes (notebook and/or laptop, writing utensils, etc.), wrist watch, snacks, refillable water bottle, insect repellent, and sunscreen.
- You may wear closed-toed shoes each day or leave a pair at the shelter throughout the course, but you should have them available each day. Your clothes will get dirty or ripped.

Instructional Strategies:

Case Analysis		Library and Internet Research	x
Debate		Practice/drill	
Discovery/Independent Research	x	Problem solving	x
Discussion/Questioning/Interviewing	x	Reading assignments	x
Experiential Learning	x	Role playing/simulation games	x
Field Experience	x	Service Learning	x
Group Presentation	x	Video/Audio Review and Critique	
Laboratory Experiences	x	Other	
Lecture	x		

Methods of Assessment: Your course grade will be determined as follows:

Abstracts		Participation	x
Attendance	x	Peer Evaluation	
Capstone Project		Portfolio	
Case Study		Portfolio Lab Performance	
Exams	x	Presentations	
Group Projects		Professional Evaluation	x
Homework Assignments	x	Quizzes	
Internet Research		Research project	
Journaling		Other	
Lab Performance	x		
Oral/written review of literature			

Grading: Your course grade will be determined as follows:

Exam: 40%

Assignments: 40%

Class Participation and Performance: 20%

Grading Scale/Distribution:

<u>Grade</u>	<u>Points</u>	<u>Grading Scale</u>
A	4.00	93-100
A-	3.67	90-92
B+	3.33	87-89
B	3.00	83-86
B-	2.67	80-82
C+	2.33	77-79
C	2.00	73-76
C-	1.67	70-72
D+	1.33	67-69
D	1.00	63-66
D-	0.67	62-60
F	0.00	below 60
U	0.00	

University Honor Code:

Each and every student of the University will adhere to the following Honor Code:

“I will not knowingly engage in any dishonorable behavior, cheat, steal, lie, or commit any act of plagiarism during any academic work, course, or endeavor. If I observe an act which I believe violates the University’s Honor Code, I may, at my discretion, report it to the appropriate personnel.”

Student Acknowledgement of University Honor Code:

“I acknowledge that I have fully complied or will comply with all aspects of the University’s Honor Code in submitting this work.”

Student Rights and Responsibilities Statement, Article VIII-Academic Integrity:

<http://catalog.findlay.edu/en/current/Undergraduate-Catalog/Student-Rights-and-Responsibilities-Statement/VIII-Academic-Integrity>

University Diversity Statement:

As part of our commitment to achieve excellence, the University of Findlay values and actively promotes a welcoming and supportive environment that honors the many aspects of diversity. We aspire to foster acceptance of, respect for, and appreciation of all persons in our campus community. We celebrate our commonalities and unique differences, and we acknowledge that diversity broadens learning, stimulates creativity, promotes the exchange of ideas, and prepares our students for meaningful lives and productive careers.

Course Policies and Practices:**Attendance and Participation Policy**

Students are expected to attend all class meetings for which they are registered. This is regarded as a matter of individual student responsibility. The only excused reasons for absences will be illness that impairs ability to attend and function within the classroom setting or an unavoidable personal emergency.

Students are expected to attend all class sessions on all days of class. It will be the responsibility of the student to contact the course instructor or site director, preferably before the absence, to provide the appropriate documentation and verification for the reason for the absence, and to make arrangements with the course instructor for missed work. Students are responsible for all missed class material. Students may be subject to limited participation in hands-on practice at the instructor’s discretion if they have missed the underlying material needed to safely perform the task at hand.

Final Exam Date:

Session 1: May 28; Session 2: June 11; Session 3: June 25; Session 4: July 9; Session 5: July 23

Special Services: If you are a student with a disability, it is your responsibility to inform your instructor and register with the Office of Disability Services (ods@findlay.edu) at least one week prior to a needed service so reasonable accommodations can be made.

Course and Instructor Evaluation: Each student is expected to complete the course and instructor evaluation which is sent electronically to the student by the Office of the Registrar. The electronic notification comes in the form of an e-mail from the UF Registrar's Office with the following subject line: Online survey for the designated course (e.g., BIOL 102).

Last Date of Attendance Policy: Instructors are required to indicate the last known date of attendance when a final grade of "F" or "U" is assigned to a student.

Tentative Course Outline:

During the week with companion animals, we will be helping with the center's animals as well as making time for our class lectures and discussions.

Lesson	Topic	Explanation
Lesson 1	Behavior, Restraint and Handling	Understanding animal behavior and proper restraint techniques are essential to being able safely interact with them in a clinical setting.
Lesson 2	Anatomy and Physical Exams	Physical exams are the cornerstone of veterinary medicine and an extremely important skill to develop. This lesson and practical experience lab will introduce you to a systematic approach in physical exams and allow you to hone in our skills.
Lesson 3	Diagnostics and common skin and intestinal parasites	During this lesson, you will learn diagnostic techniques, common dermatological conditions, and intestinal parasite pathophysiology and identification.
Lesson 4	Suture Patterns and Techniques	During a suture lab, you will learn instrument identification and handling, suture types and applications, and practice common suture patterns.
Lesson 5	Ectoparasites and diseases they transmit	During this lesson, you will learn about common ectoparasites affecting our canine patients as well as the diseases they transmit. We will discuss clinical signs, diagnostics, treatments, and zoonotic disease potential associated with these parasites. During the practical section of this lesson, you will learn how and practice blood draws, microhematocrit centrifuge use, and 4DX testing. You will also practice IV catheter placement and as well as subcutaneous, intramuscular, and IV injections.

Lesson 6	Heart physiology and dissection lab	During this practical lesson, students will learn about the anatomy and physiology of the heart and perform heart dissections on chicken and pig hearts.
Lesson 7	Canine and Feline Spay/Neuter surgeries	Hands on practical experience with anesthesia monitoring, surgical assisting, and patient recovery

During the elephant week, we will be helping take care of animals including elephants as well as making time for our class lectures and discussions.

Lesson	Topic	Explanation
Lesson 1	Elephant Safety	This lesson will give you knowledge to interact with the elephants at the center in a safe manner.
Lesson 2	Plight of the Asian Elephant	In this lesson, you will learn about the history of captive elephants in Thailand focusing on the tourism industry and progress in improving their care and welfare.
Lesson 3	Elephant Husbandry and Management	In this lesson, you will discuss management practices and participate in husbandry care. Basic husbandry practices are essential to providing captive elephants with a good quality life and in participating in this activity, you are having a direct positive impact on their livelihood.
Lesson 4	Nutrition, Large animal parasites and herd health,	In this lesson, you will learn about elephant nutrition and contribute to ongoing research in elephant diets. Perform and elephant fecal analysis and examination and learn about preventative medicine and herd health measures being practiced at ENP.
Lesson 5	elephant anatomy and physiology	In this lesson, you will learn about some of the unique aspects of elephant anatomy and physiology.
Lesson 6	Geriatric elephant care and management	During this lesson, you will learn about nutrition of geriatric elephants and the special care and management considerations they require.
Lesson 7	Common Elephant Conditions and Medical Care	During this lesson, you will participate in elephant rounds and help perform treatments on pachyderm patients