University of Florida College of Veterinary Medicine Syllabus

I. Course information

Course Title: VEM 5378, SeaVet Clinical Training
Summer Semester: Summer C
Course credit: 3

II. General information

Course Coordinator: Dr. Mike Walsh
Office phone number: 352-294-4199
Email: walshm@ufl.edu
Dr. Walsh will be available to discuss topics and issues after classes and by setting up an appointment if needed.
Course Faculty
Visiting faculty will be available for discussion at breaks and lunchtime and students will be encouraged to interact and contact them with questions as well as career advice.

Dr. James Bailey	Innovative Veterinary Medicine, Inc., Jacksonville FL
Dr. Tonya Clauss	Georgia Aquarium. Atlanta Georgia
Dr. Carmen Colitz	Aquatic Animal Eye Care, LLC, West Palm Beach FL
Dr. Martine de Wit	Florida Fish and Wildlife Conservation Commission
Dr. Ruth Francis-Floyd	University of Florida
Dr. Craig Pelton	University of Florida/Volusia County Marine Science Center, Sea Life
Dr. Rob Giglio	University of Florida
Dr. Bob Bonde	U.S. Geological Survey
Mr. Kevin Roberts	Marineland Dolphin Adventure (Georgia Aquarium)
Dr. Nicole Stacy	University of Florida
Ms. Megan Stolen	Hubbs-SeaWorld Research Institute
Dr. Mike Walsh	University of Florida
Dr. Randy Wells	University of Florida Chicago Zoological Society
Dr. Roy Yanong	University of Florida
Dr. Lara Croft	SeaWorld Orlando
Dr. Ray Ball	Lowry Park Zoo Tampa, FL
Dr. Shelly Marquardt	Clearwater Marine Aquarium, Clearwater FL
Dr. Tom Waltzek	University of Florida
Resident presentation	University of Florida
Intern presentation	University of Florida

III. Course description: SeaVet Clinical Training is an intensive 10-day course designed to expose and teach freshman through senior veterinary medical students and interested veterinarians marine animal medicine through didactic lecture, case-based problem-solving, and laboratory experience and visits to established marine facilities. Provide fundamental and advanced information on marine animal medicine, husbandry and behavior to veterinary students and interested veterinarians including clinical anatomy, nutrition, diagnostic techniques, therapeutic applications, reproduction, management collaborating, lifelong learning and problem solving. The program features an educational and interactive swim session with dolphins to provide realistic exposure and hands-on training with dolphins. It will include a visit to Lowry Park Zoo in Tampa Florida to get hands on handling experience and exposure to medical health assessment techniques, SeaWorld behind the scenes visit with the veterinary staff, a visit to Clearwater Marine Aquarium to compare facility functions at different locations with Sea turtle hands on experience and a visit to the Sea Life Aquarium in Orlando to see life support and animal care principles. A sea turtle necropsy lab is held the last day to provide hands on experience in sea turtle anatomy and disease issues in the species.

Course objectives:

☐ Students should have an understanding of marine mammal anatomy and its similarities throughout the many animal taxa

☐ Students should understand the relationship of anatomy and clinical disease of marine mammals

☐ Students should understand differences in marine mammal behavior and relate that information to environmental change, training issues and the clinical relevance that these factors have

☐ Students should understand the fundamentals of water quality its challenges and importance to animal health

☐ Students should recognize the fundamentals of infectious disease agents and effects as well as how they relate to and differ between terrestrial mammals and aquatics

☐ Students should have an understanding of sea turtle anatomy and wild clinical disease

☐ Students should have an understanding of cetacean, manatee, pinniped, penguin, fish, shark, stingray and otter medicine and options available to the marine mammal veterinarian

☐ Students should understand the role of the veterinarian, biologist and government personnel as well as how they interact in varying situations.

☐ Students should understand wild bottlenose dolphin life history, ecology, behavior and health conservation in addition to understanding human interactions of cetaceans and large whale issues.

☐ Students should be able to discuss the major causes of manatee diseases and treatment options

☐ Students should understand the challenges and goals of diagnostic imaging

☐ Be able to prepare and plan for reproductive health and complications among cetaceans

☐ Students should have a in depth knowledge of basic dietary issues and the relationship among the whole animal

☐ Students should be able to understand option base medicine and encourage them to consult with colleagues

Recommended Text:

CRC Handbook of Marine Mammal Medicine Dieruaf and Gull and Ed. 2nd Ed, 2001 (medicine). This volume includes contributions in many areas of husbandry and medicine from numerous respected authors.

Whales, Dolphins, and Porpoises, Carwardine, M., Smithsonian Press, 2002 (recognition guide and some taxonomy). This will help with exposure to taxonomy and natural history.

Marine Mammals Ashore: A Field Guide for Stranding's, Geraci, J.R., Lounsberry, V.J., 1998 CD-ROM version

Additional Resources: Course notes

Key Words: cetacean, dolphin, manatee, pinniped, shark, fish, sea turtle, reproduction, neonatal care, anesthesia, medicine, dystocia, sedation, anesthesia, problem solving

IV. **Evaluation/Grading/Testing:**

The inclusion of all levels of veterinary students and outside veterinarians interested in aquatic medicine does not allow for typical comparative testing and grading. The goal is to instill principles of learning for the benefit of self-improvement, lifelong learning, the importance of all didactic materials and experience to good medicine and advocacy for the client. This approach will be emphasized with the introductory lecture and throughout the course.

Evaluation for participation and grading: This will be based on attendance, class participation and small group projects. In the group projects, students will work together on researching a topic of interest where each student in the group contributes to a short topic summary with a minimum of two slides to a power point presentation summarizing the group's topic. The group presenter will be determined by a selection process agreed to at the course.

Grading scheme: Pass -- Fail

☐ Attendance: 50%,

☐ Participation determined by class discussion and short topic contribution: 50%

☐ Attendance: one unexcused absence, 1 excused or contact course coordinator

☐ Professional Behavior—cell phones, computers, and other electronic devices are not allowed to be open in class.

V. Accommodations for Students with Disabilities - Students requesting accommodations must first register with the Dean of Students Office, Disability Resource Center at 352-392-8565. Students may also apply on-line for accommodations. For more information, see the Disability Resource Center website at: http://www.dso.ufl.edu/drc/ The Disability Resource Center will provide a letter to the student who must then meet with the course instructor to discuss the required accommodations. Once notification is complete, the instructor can work with the Disability Resource Center to provide the requested accommodations. To ensure that necessary accommodations are provided in a timely manner, it would expedite this process if any student who might need an accommodation would notify the course coordinator during registration.

VI. **Administrative Policies: see Student Handbook @** http://education.vetmed.ufl.edu/dvm-curriculum/student-handbook/

Honesty Policy - All students registered at the University of Florida have agreed to comply with the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University." In addition, on all work submitted for credit the following pledge is either required or implied: "On my honor I have neither given nor received unauthorized aid in doing this assignment." To review the student honor code please visit: http://www.dso.ufl.edu/judicial/honorcodes/honorcode.php

Plagiarism includes any attempt to take credit for another person's work. This includes quoting directly from a paper, book, or website, without crediting the source. Sources should be noted, a link to the website added, or quotation marks placed around the material and attributed , even during online discussions. However, the instructor expects more than simply cutting and pasting in this graduate-level course. Students are expected to review, evaluate and comment on material they research, rather than simply copying relevant material. Work will be graded accordingly.

Student Evaluation of Instruction - Evaluations are performed electronically at the end of the course. To evaluate the instructor, visit the UF Evaluation site at: https://evaluations.ufl.edu/evals/

Software Use: All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health Services provide confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health Services is located on the second floor of the Student Health Care Center in the Infirmary.

University Counseling Center, 301 Peabody Hall, 392-1575, www.counsel.ufl.edu

Career Resource Center, CR-100 JWRU, 392-1601 ext.: 0, www.crc.ufl.edu/

Student Mental Health Services, Rm. 245 Student Health Care Center, 392-1171