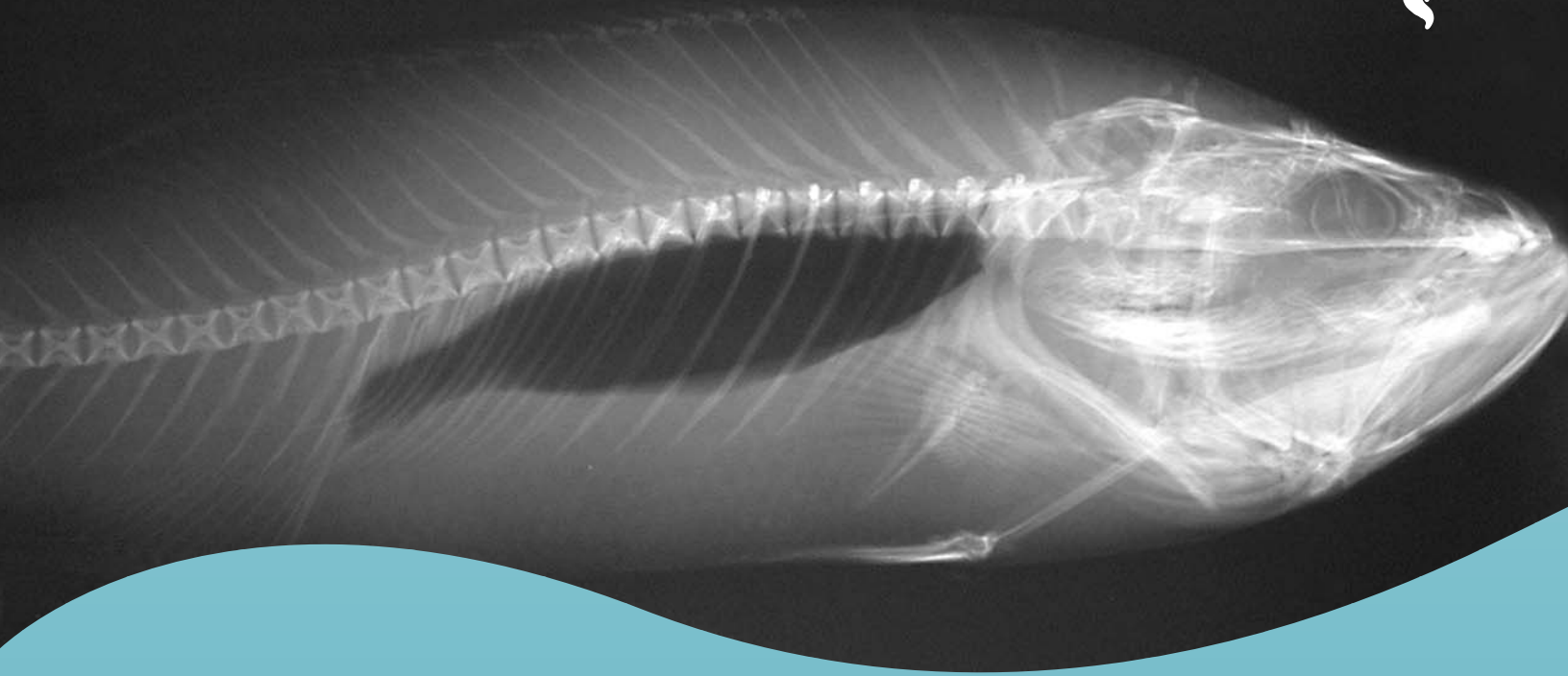




# Advanced Fish Medicine



November 11-17, 2007

Orlando & Gainesville, FL

USA

**UF** UNIVERSITY of  
**FLORIDA**  
IFAS Extension

College of Veterinary Medicine and  
Department of Fisheries and Aquatic Sciences  
[www.conference.ifas.ufl.edu/ame/afm](http://www.conference.ifas.ufl.edu/ame/afm)

## Tentative Program Agenda

**Note:** Class will begin every day at 8:30am. Daily refreshment breaks and lunches will be included for classes held in Gainesville.

**Sunday, November 11, 2007**  
(Orlando, FL)

- Pick Up Course Materials
- Welcome Social at Homewood Suites International Drive from 6:00pm – 8:00pm

**Monday, November 12, 2007 – Day One**  
(Orlando, FL)

- Field Trip to Disney's Animal Kingdom® and the Seas in Epcot® for Behind-the-scenes Tour of Veterinary Hospitals and Aquarium Systems.

**Tuesday, November 13, 2007 – Day Two**  
(Gainesville, FL)

- Depart for the UF/IFAS Department of Fisheries & Aquatic Sciences in Gainesville, FL at 8:00am
- Check-in at Cabot Lodge Hotel in Gainesville, FL at 6:00pm

### LECTURE & LABORATORY:

- Fish Handling and Transport
- Field Techniques:
  - Restraint and Transport
  - Tagging

**Wednesday, November 14, 2007 – Day Three**  
(Gainesville, FL)

### LECTURE:

- Anesthesia Clinical Techniques
- Regulatory Issues for Food and Ornamental Species (Commerce, Disease, Drugs)

### LABORATORY:

- Biopsy
- Venipuncture and Injection Techniques
- Nutritional Therapy and Lavage Techniques
- Elasmobranch Handling

**Thursday, November 15, 2007 – Day Four**  
(Gainesville, FL)

### LECTURE:

- Surgical Techniques
- Surgery and Monitoring

### LABORATORY:

- Surgical Techniques
- Monitoring

**Friday, November 16, 2007 – Day Five**  
(Gainesville, FL)

### LECTURE:

- Histopathology
- Shellfish Pathology
- Advanced Necropsy Technique

### LABORATORY:

- New Advances Pathological Interpretation
- Necropsy Protocol

**Saturday, November 17, 2007 – Day Six**  
(Orlando, FL)

### LECTURE: (at SeaWorld® Orlando):

- Imaging (Radiology, Ultrasound, Laparoscopy, Gastroscopy)
- Behind-the-Scenes Tour of Advanced Life Support Systems at SeaWorld® Orlando

## Advanced

# Fish Medicine

NOVEMBER 11-17, 2007 • ORLANDO & GAINESVILLE, FL, USA

## Introduction

**Advanced Fish Medicine** is an intensive six-day course that will provide instruction in the most recent and advanced procedures associated with clinical fish health management. The course will emphasize a “hands-on” approach to many of the latest techniques including anesthesia, hematology, nutritional therapy, imaging, histopathology and surgery. The primary goal is to encourage practitioners to increase their expertise in clinical fish medicine. The course is intended for the advanced student who has prior education in fish diagnostics and health management. Acceptance into this course is by permission of the faculty.

## Course Information

The course will start and end in Orlando, Florida with behind-the-scenes workshops at Walt Disney World® and SeaWorld® Orlando, respectively. Lectures and laboratory exercises will be conducted at the University of Florida in Gainesville, Florida. (Round-trip transportation between Orlando and Gainesville will be provided).

## Course Faculty

### Shirley Baker

University of Florida, IFAS

### Ilze Berzins

The Florida Aquarium

### Elizabeth Chittick

Disney's Animal Programs

### Lara Croft

SeaWorld of Florida

### Ray Davis

The Georgia Aquarium

### Greg Fleming

Disney's Animal Programs

### Ruth Francis-Floyd

University of Florida, IFAS & College of Veterinary Medicine

### Kathleen Hartman

US Department of Agriculture, APHIS

### Darryl Heard

University of Florida, College of Veterinary Medicine

### James Kinsler

SeaWorld of Florida

### Iske Larkin

University of Florida, College of Veterinary Medicine

### Jenny Meegan

University of Florida, College of Veterinary Medicine

### Deb Murie

University of Florida, IFAS

### Don Neiffer

Disney's Animal Programs

### Hendrik Nollens

University of Florida, College of Veterinary Medicine and SeaWorld of California

### Denise Petty

University of Florida, IFAS & College of Veterinary Medicine

### Barbara Sheppard

University of Florida, College of Veterinary Medicine

### Brian Stacy

University of Florida, College of Veterinary Medicine

### Andrew Stamper

Disney's Animal Programs

### Mark Stetter

Disney's Animal Programs

### Scott Terrell

Disney's Animal Programs

### Michael Walsh

University of Florida, College of Veterinary Medicine

### Anita Wright

University of Florida, IFAS

### Roy Yanong

University of Florida, IFAS

## Continuing Education Units

Up to 20 Continuing Education Units are available for this course. If you are interested in receiving these credits please request a Continuing Education form when you register.

## Application/Registration

### Course Application

Acceptance into Advanced Fish Medicine will be competitive and decisions will be based on the applicant's academic record and experience in fish medicine or aquaculture. Participation is limited to 25 registrants. Applications must be received by **August 17, 2007**. All applicants will be notified by September 7, 2007 of their acceptance status.

### Registration

Following acceptance, a \$1,100.00 registration fee must be received by **October 8, 2007** to retain a seat in the course. After October 8, any available seats will be given to prospective students that have been placed on the waiting list. A \$250 processing fee will be deducted from all registration refunds.

Registration includes the educational program, admittance to all field trips, transportation to field trips and to/from Gainesville, Welcome Social on Sunday, lunches and refreshment breaks Monday-Friday, lab supplies, T-shirt, mug and ring binder containing course handouts.

## How To Apply

Conveniently apply online via the course web site:

[www.conference.ifas.ufl.edu/ame/afm](http://www.conference.ifas.ufl.edu/ame/afm)

**Special Needs:** Participants with special needs can be reasonably accommodated by contacting the Office of Conferences & Institutes at least 10 working days prior to the short course. We can be reached by phone at 1-352-392-5930, by FAX at 1-352-392-9734, or by calling 1-800-955-8771 (TDD). The TDD number can only be accessed from within the State of Florida.

## Hotel Information

Hotel accommodations for Orlando and Gainesville are listed on the course web site:

[www.conference.ifas.ufl.edu/ame/afm](http://www.conference.ifas.ufl.edu/ame/afm)

## Questions?

### Course Information:

Dr. Ruth Francis-Floyd, Director or  
Iske Larkin, Education Coordinator  
Aquatic Animal Health Program  
College of Veterinary Medicine  
University of Florida/IFAS

PO Box 100136

2015 SW 16th Ave

Gainesville, FL 32610-0136

Telephone: 352-392-2212 ext. 5638

352-392-2212 ext. 5168

Fax: 352-846-1171

Email: [francis-floyd@vetmed.ufl.edu](mailto:francis-floyd@vetmed.ufl.edu)

[larkini@vetmed.ufl.edu](mailto:larkini@vetmed.ufl.edu)

### Application Information:

Shelby Sowder

Conference Coordinator

University of Florida/IFAS

Office of Conferences & Institutes (OCI)

PO Box 110750

Building 639, Mowry Road

Gainesville, FL 32611-0750

Telephone: 352-392-5930

Fax: 352-392-9734

Email: [msowder@ufl.edu](mailto:msowder@ufl.edu)

## Field Trips



Animal Kingdom®



Epcot®



SeaWorld® Orlando

## Disney's Animal Kingdom® and Epcot®

On Monday, November 12, 2007, there will be a behind-the-scenes tour of Veterinary Hospitals and Aquaria at Disney's Animal Kingdom® and The Seas in Epcot® in Lake Buena Vista, Florida. Animal Kingdom® is 500 acres of exotic landscapes containing over 4 million plants, trees and grasses. In the lush landscape of the Oasis is a 3,500-gallon aquarium displaying tropical fish species. The Seas is the largest inland ocean facility in the world. It holds six million gallons of ocean water and contains more than 3,500 fish representing 85 species.

## SeaWorld® Orlando

After the lecture at SeaWorld® Orlando on Saturday, November 17, 2007 please join the behind-the-scenes tour of fish facilities and aquarium systems. SeaWorld® Orlando is the world's premiere marine adventure park with 200 acres of world-class shows, thrilling rides and unforgettable animal encounters.

*All tours are provided at no additional charge to participants.*



November 11-17, 2007

# Advanced FISH MEDICINE

*Mark your calendar and register today!*

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