**Conservation Medicine and Diseases of Amphibians and Reptiles**

**July 30 – August 5, 2017**

**Coordinator:** Elliott Jacobson, DVM, PHD, DACZM, University of Florida, Gainesville, Florida

**Contributors:** Dr. Michael Garner, Dr. Leigh Clayton, Dr. Rich Funk, Dr. Walter Merker, Mr. Barney Tomberlin, Mr. Geoff Bender

**Sunday, 30 July 2017**

All day: Arrival to the SWRS and check-in at Main Office

6:00 pm: Dinner in Dining Room

7:00 pm: Opening night social; Welcome, Orientation, Mix and Mingle with Instructors

**Monday, 31 July**

7:30 am: Breakfast

8:30 am: History of the AMNH SWRS and ethical considerations affecting field collecting –

Geoff Bender

9:30 am: Conservation Medicine – Elliott Jacobson

10:30 am: Coffee Break

11:00 am: Amphibian and Reptile Biology – Two very different groups of vertebrates - Elliott Jacobson

12:00 am: Lunch

1:00 pm: Health assessment of amphibians – Leigh Clayton, National Aquarium - Webinar presentation

2:00 pm: Immune system of amphibians and reptiles and ecoimmunology– Elliott Jacobson

3:00 pm: Break

3:30 pm: Use of amphibians and reptiles in research; meeting the needs of Institutional

Animal Care and Use Committees (IACUCs); animal welfare issues – Elliott Jacobson

4:30 pm: Techniques for field collection of reptiles and amphibians – Barney Tomberlin and Elliott Jacobson

6:00 pm: Dinner

7:00 pm: Tour of Chiricahua leopard frog breeding and rearing facility

8:00 pm: Herping

**Tuesday, 1 August**

7:30 am: Breakfast

8:30 am: Major diseases of amphibians – Michael Garner

10:00 am: Coffee Break

10:30 am: Major diseases of amphibians – Michael Garner

12:00 am: Lunch

1:00 pm: Amphibian necropsy and interpretation of lesions – Michael Garner

3:00 pm: Break

3:30 pm: Amphibian necropsy and interpretation of lesions – Michael Garner

6:00 pm: Dinner

8:00 pm: Herping.

**Wednesday, 2 August**

7:30 am: Breakfast

8:30 am: Reptile Necropsy and Interpretation of Lesions – Michael Garner

10:00 am: Coffee Break

10:30 am: Reptile Necropsy and Interpretation of Lesions – Michael Garner

12:00 pm: Lunch

1:00 pm: Health assessment of chelonians: desert tortoise as a model – Elliott Jacobson

2:30 pm: Major diseases of chelonians – Elliott Jacobson

3:00 pm: Break

3:30 pm: Major diseases of chelonians – Elliott Jacobson

6:00 pm: Dinner

8:00 pm: Herping

**Thursday, 3 August**

7:30 am: Breakfast

8:30 am; Health assessment and major diseases of crocodilians – Elliott Jacobson

10:00 am: Break

10:30 am: Health Assessment and diseases of lizards and snakes -– Elliott Jacobson

12:00 pm: Lunch

1:00 pm: Collection and handling of blood and other biological samples - Elliott Jacobson

3:00 pm: Break

4:00 pm: Anesthesia and surgery: concepts and practical application – Elliott Jacobson

6:00 pm: Dinner

7:00 pm: Pain recognition and management. Euthanasia; ethical considerations – Elliott Jacobson

8:00 pm: Herping

**Friday, 4 August**

7:30 am: Breakfast

8:30 am: Herpetoculture and Conservation – Walter Merker

10:00 am: Coffee Break

10:30 am: Working with venomous reptiles – Rich Funk

12:00 pm: Lunch

1:00 pm: Procedures for Pit-tagging and Implantation of radiotransmitters – Rich Funk and Elliott Jacobson

3:00 pm: Break

3:30 pm: Visit the Chiricahua Desert Museum

6:00 pm: Dinner in Rodeo, NM

**Saturday, 5 August**

7:30 am: Breakfast

8:30 am: Departure