

AQUAVET®



A PROGRAM IN AQUATIC  
VETERINARY MEDICINE

[www.aquavet.org](http://www.aquavet.org)

## 2026 Schedule for AQUAVET® I

### Locations:

Marine and Natural Sciences Building = MNS  
Lecture rooms: MNS 200, MNS 210, MNS 213  
Labs: MNS 103, MNS 107, MNS 203

### Monday, 25. May 2026 – Memorial Day

11:00–12:00 Registration – Check-In  
Bayside  
Apartments

12:30 Orientation  
MNS 200 Dr. Donald W. Stremme – Cornell University  
AQUAVET® Director

13:30 RWU Required Safety Lecture  
MNS 200 Caitlin Conley

14:30 History of AQUAVET®  
MNS 200 Dr. Laurie Landeau – Marinetics, Inc.  
AQUAVET® Associate Director

16:00 An Overview of the Primary Marine Invertebrate Phyla we are Likely to  
MNS 210 Encounter  
Dr. Robert Maze – Marinetics, Inc.  
AQUAVET® Associate Director

17:30 dinner

18:30 An Overview of the Primary Marine Invertebrate Phyla we are Likely to  
MNS 210 Encounter (continued)  
Dr. Maze

19:30 **Welcome to AQUAVET Party**  
Dorm Courtyard Area (weather permitting)

### Tuesday, 26. May 2026

8:00 Anatomy of Bilvalvia, Crustaceans, Cephalopoda and Echinodermata as  
MNS 210 they Pertain to our Lab  
Dr. Maze

## 2026 Schedule for AQUAVET® I

10:00 MNS 210	Marine Metazoan Parasites and an Introduction to Public Health Issues (e.g. Anisakiasis), those Parasites likely to be seen in AQUAVET (a plethora, including those of Limulus, Dorytheuthus and in our Marine Mammals labs) and have been researched by AQUAVET students in the past Dr. Maze
13:00 MNS 210	Important Diseases of Marine Invertebrates Dr. Alisa Newton – OCEARCH – ZooQuatic Laboratory
15:00 MNS 210	History of Fishes: Taxonomy from an Evolutionary and Ecological Perspective Dr. Roy Yanong – U FL – Tropical Aquaculture Laboratory
18:30 MNS 210	History of Fishes: Taxonomy from an Evolutionary and Ecological Perspective (continued) Dr. Yanong

### Wednesday, 27. May 2026

8:00 MNS 103	<b>Invertebrates – WET LAB – (need dissection kit, lab coats)</b> Drs. Maze, Dill and Newton
10:15 leave from MSN 103	<b>Rocky Intertidal Invertebrate Collecting LOW TIDE 14:40</b> (dress appropriately – will be outside and in the water)
13:00 MNS 103	<b>Invertebrates (Collected Animals) – WET LAB</b> Drs. Dill and Maze
15:00 MNS 103	<b>Invertebrates – WET LAB (continued)</b> Drs. Dill and Maze
18:30 MNS 103	<b>Invertebrates – WET LAB (continued)</b> Drs. Dill and Maze
After Lab MNS 210	AQUAVET® I T-shirt LOGO contest Dr. Landeau

### Thursday, 28. May 2026

8:00 MNS 210	Fish Anatomy – Structure and Function Dr. Yanong
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## 2026 Schedule for AQUAVET® I

13:00 Fish Physiology  
MNS 210 Dr. Julie Balko – NC State University

**18:30 Invertebrates – WET LAB – (continued)**  
**MNS 103** Drs. Dill, Newton and Maze

### Friday, 29. May 2026

8:00 **Fish Diagnostics and Techniques LAB**  
MNS 103 (need dissection kit, lab coats)  
Drs. Yanong, Getchell, Lovy, Dill, Newton

9:30 **Fish Anatomy – Structure and Function WET LAB**  
MNS 103 (need dissection kit, lab coats)  
Drs. Yanong, Getchell, Lovy, Dill, Newton

13:00 Fish Physiology (continued)  
MNS 210 Dr. Balko

15:00 Using Aquatic Animals in Research and the Role of IACUC  
**MNS 200** Dr. Lisa Abbo – Marine Biological Laboratory

18:30 Life Cycles of Aquarium Raised Fish  
MNS 210 Dr. Andy Rhyne – Roger Williams University

### Saturday, 30. May 2026

8:00 Biology, Medicine and Surgery of Turtles Including Sea Turtles  
MNS 210 Dr. Shane Boylan – Georgia Sea Turtle Center  
Dr. Melissa Joblon – New England Aquarium

**12:45 Microbiology – Specimen Necropsy (lab coats and dissection kits)**  
MNS 103 Dr. Lester Khoo – Mississippi State University  
AQUAVET® Director Emeritus

14:15 **Turtle Necropsy Lab (lab coats, dissection kit)**  
MNS 103 Drs. Boylan and Joblon

18:30 Water Quality  
MNS 210 Dr. Laurie Landeau – Marinetics, Inc.  
AQUAVET® Associate Director

## 2026 Schedule for AQUAVET® I

### Sunday, 31. May 2026

- 8:00  
MNS 103      **Microbiology Lab Set Up (lab coats and dissection kits)**  
                    Dr. Khoo
- 10:00  
MNS 210      Selected Bacterial and Viral Pathogens of Fishes  
                    Dr. Lester Khoo
- 13:00  
MNS 210      Oyster Culture, Environment, Disease and Nutrition  
                    Dr. Maze
- 15:00  
Virtual        Elasmobranchs – **VIRTUAL**  
                    Dr. Frasca and Newton
- 19:00  
courtyard    **AQUAVET® Joint Class Picnic**

### Monday, 1. June 2026 – OFF

Morning      **OPTIONAL** Whale Watch  
                    Barnstable, MA

### Tuesday, 2. June 2026

- 7:30**  
MNS 103      **Selected Bacterial and Viral Pathogens of Fishes**  
                    **Micro Lab (lab coats and dissection kits)**  
                    Dr. Khoo
- 10:00  
MNS 103      **Water Quality Lab** (half of the class)  
                    Dr. Landeau
- 10:00  
MNS 210      Life Cycles of Aquarium Raised Fish – facilities visit (other half of class)  
                    Dr. Andy Rhyne – Roger Williams University
- 13:00  
MNS 103      **Water Quality Lab** (repeat – other ½ of class)  
                    Dr. Landeau
- 13:00  
MNS 210      Life Cycles of Aquarium Raised Fish – facilities visit (repeat)  
                    Dr. Rhyne
- 15:00  
MNS 210      Normal Fish Histology  
                    Dr. Sal Frasca – ZooQuatic, LLC
- 18:30  
MNS 103      **Normal Fish Histology – Microscope Lab**  
                    Dr. Frasca  
                    Dr. Emily Reinhardt – University of Connecticut

### Wednesday, 3. June 2026

- 8:00 Pathology and Histopathology of Fish  
MNS 210 Dr. Frasca
- 11:00 **Pathology and Histopathology of Fish – Microscope Lab**  
MNS 103 Drs. Frasca and Reinhardt
- 13:00 **Pathology and Histopathology of Fish – Microscope Lab (cont)**  
MNS 103 Drs. Frasca and Reinhardt
- 14:30 Student Seminars (Cornell today)  
MNS 210
- 1 **Patricia Arceta** – Behavioral Needs as a Component of Welfare: Implications for Marine Mammals Under Human Care
  - 2 **Simone Barsz** – Marine Mammal Prosthetics
  - 3 **Christine Bresnahan** – Shark Spiracles and How They Relate to Feeding Behaviors Focusing on Comparing the Spiny Dogfish and Whale Shark
  - 4 **Laurel Sum** – The Role of Vibrissae in Aquatic Foraging of Pinnipeds
  - 5 **Rebecca Lee** – Defense Mechanisms of Pufferfish
- 18:30 Introduction to Fish Hematology  
MNS 210/103 Jill Arnold – Zooquatic Lab
- 19:30 **Fish Hematology – Microscope Lab**  
MNS 103 Jill Arnold

### Thursday, 4. June 2026

- 8:00 Disease Investigations and Case Reports for Coldwater Fishes  
MNS 210 Dr. Lovy
- 9:00 Environmental/Nutritional Disease of Coldwater Fishes  
MNS 210 Dr. Lovy
- 10:00 Amphibians!  
MNS 210 Dr. Kathy Tuxbury – New England Aquarium
- 13:00 Viral Diseases of Coldwater Fishes  
MNS 210 Dr. Tom Loch – MSU-AAHL, Colleges of Agriculture & Natural Resources and Veterinary Medicine
- 15:00 Parasitic and Fungal Diseases of Coldwater Fishes  
MNS 210 Dr. Lovy
- 18:30 Seafood Safety – The Risks of Eating Raw Seafood  
MNS 210 Dr. Maze

## Friday, 5. June 2026

- 8:00  
MNS 210      Student Seminars  
**6 Feiyang Liu** – ??  
**7 Sarah Jones** – Using Harbor Seal Blood Chemical and Hematological Values to Identify Good Candidates for Rehabilitation  
**8 Sophia Downs** – The Plight of the Eastern Hellbender: Conservation Efforts and Issues with *Cryptobranchus allegianis*  
**9 Kaelyn Dausch** – Common Parasites Found on Cetacean Necropsies in North Carolina  
**10 Meredith Bellina** – Nudibranch Defense Mechanisms  
**11 Katelyn Coleman** – Sea Star Wasting Disease  
**12 Kylie Brown** – Cold Stress Syndrome in Manatees  
**13 Katelyn Gist** – Marine Mammal Dentistry
- 13:00  
MNS 210      Diseases of Warmwater Aquaculture Fishes – Infectious Diseases  
                  Dr. Sherman Jack – Mississippi State University, CVM
- 15:00  
MNS 210      Diseases of Warmwater Aquaculture Fishes – Non-Infectious Diseases  
                  Dr. Jack
- 18:30  
MNS 210      Culture and Health Concerns of Baitfish and Hybrid Striped Bass  
                  Dr. Jack

## Saturday, 6. June 2026

- 8:00  
MNS 210      Coral Reef Health and Disease  
                  Dr. Michelle Dennis – University of Tennessee CVM
- 11:00  
MNS 210      Zebra Fish Husbandry and Use as Research Models  
                  Dr. Nick Saint-Erne – Certified Aquatic Veterinarian
- 11:00  
MNS 210      Student Seminars  
**14 Jordan Gran** – Aquatic Species Comparisons in Wound Care  
**15 Molly Tsang** – ??
- 13:00  
MNS 210      Betta Fish in Practice  
                  Dr. Nick Saint-Erne
- 14:00  
MNS 210      Fish Nutrition  
                  Dr. Allen Davis – Auburn University
- 18:30  
MNS 210      Reptile Medicine  
                  Dr. Jessica Lovstad – Roger Williams Park Zoo

## Sunday, 7. June 2026

- 8:00  
MNS 210            Shrimp Industry  
                         Dr. Bob Bullis – Florida Keys Community College  
                         Dr. Arun Dhar – University of AZ, Aquatic Pathology Laboratory
- 13:00  
MNS 210            What is Unique about Eye Structure and Sight: From A (Avian)  
                         to Z (Zalophus or Zebrafish)  
                         Dr. Carmen Colitz – Aquatic Animal Eye Care, LLC
- 16:00  
MNS 210            Marine Mammal Anaesthesia – **VIRTUAL**  
                         Dr. James Bailey – National Marine Mammal Foundation
- 17:00                OFF

## Monday, 8. June 2026

OPEN

## Tuesday, 9. June 2026

- 8:00  
MNS 210            Drugs used in Aquaculture – Regulations, labels, FDA, CVM and  
                         Medicated Feeds  
                         Dr. Emily Cornwell – Food and Drug Administration
- 10:00  
MNS 210            Harmful Algal Blooms  
                         Dr. Chris Gobler – Stony Brook University
- 13:00  
MNS 210            Medical Aspects of HABs – and Aquatic Toxicology  
                         Dr. Lisa Murphy – University of Pennsylvania
- 14:00  
MNS 210            (Sea)food Safety – Emphasis on Toxins  
                         Dr. Murphy
- 15:00  
MNS 210            Other Aspects of Aquatic Toxicology and Selected Cases  
                         Dr. Murphy
- 16:00  
MNS 210            **Student Seminars**  
**16 Paige Huntzberry – The Functional Significance of the Pericardio-  
                         Peritoneal Canal in Elasmobranch Cardiac Physiology**  
**17 Ke'Daja Freelon – Lobster Shell Disease**
- 18:30  
MNS 210            Economic Considerations in the Development of Aquaculture Operations  
                         Dr. Landeau

## Wednesday, 10. June 2026

- 8:00 Aquatic Immunity  
MNS 210 Dr. Erin Bromage – University of Massachusetts Dartmouth
- 13:00 Student Seminars  
MNS 210 **18 Mackenzie Daniels** – Comparative Hematology of Aquatic Species  
**19 Mason Chenier** – Sharks: Evolutionary Solutions to Life in the Ocean – Diversity, Adaptation, and Myth  
**20 Noel Al-Mansoori** – Decompression Sickness in Marine Mammals  
**21 Katie McDonald** – Intro to Transparency and Bioluminescence in Aquatic Organisms  
**22 Anton Nieves** – ???  
**23 Tomoe Mizuno** – Diving Physiology and Blood Coagulation in Marine Mammals
- 16:00 Aquaculture Systems  
MNS 210 Dr. Rhyne
- 18:30 Aquaculture Systems (continued)  
MNS 210 Dr. Rhyne

## Thursday, 11. June 2026

**Today is overnight trip to Riverhead, NY. Take what you will need with you.**

- 8:00 Leave RWU for Mystic, CT
- 9:30 arrive at Mystic Aquarium
- 9:30 **Mystic Aquarium Tour**  
**Dr. Allison Tuttle et al – Mystic Aquarium and Institute for Exploration**
- 15:00 Leave Mystic for New London – must arrive by 15:30
- 15:30 Arrive New London Ferry Terminal  
they require arrival 30 minutes ahead of departure
- 16:00** Ferry to Orient Point, NY
- 17:30 or so arrive Orient Point – drive to Riverhead, NY
- 18:30 arrive Riverhead, NY
- 18:30** Long Island Aquarium tour
- 19:30 Coral Biology, Husbandry and Propagation  
Joe Yaiullo – Atlantis Marine World

## 2026 Schedule for AQUAVET® I

21:00 Dinner nearby – stay overnight at Hyatt (next to aquarium)

### Friday, 12. June 2026

6:30 Hyatt Hotel breakfast  
7:30 pack, check out and load cars – save clean clothes for trip back

8:00 **Aquarium Visit – Training Demo – Penguin Exams**  
Long Island Aquarium and  
Riverhead Foundation for Marine Research and Preservation  
Dr. Robert Pisciotta  
Dr. Richard Hanusch  
Maggie Seiler  
Candyce Paparo  
Maxine Montello

12:00 lunch on own

13:00 **RFMRP – Clinical Techniques for Marine Mammals and Aquatic Animals –  
WET LAB – Bring Old Clothes or Clothing Covers**  
Dr. Robert Pisciotta  
Dr. Richard Hanusch  
Maggie Seiler  
Candyce Paparo  
Maxine Montello

By 16:30 Leave Riverhead for ferry  
17:30 arrive at Orient Point, NY  
**18:00** Ferry leaves for New London, CT  
19:20 arrive New London – Dinner somewhere – drive to campus

### Saturday, 13. June 2026

8:00 Aquatic Birds  
MNS 210 Dr. Cindy P. Driscoll – Maryland Department of Natural Resources

13:00 **Aquatic Birds Anatomy Lab – WEB LAB – (dissection kits, lab coats)**  
MNS 103 **(NOTE: due to HPAI need special PPE this year)**  
Dr. Driscoll  
Dr. Tuxbury

### Sunday, 14. June 2026

OPEN

## Monday, 15. June 2026

- 8:00  
MNS 210 Marine Mammals  
Dr. Inga Sidor – University of New Hampshire  
Dr. Cara Field – The Marine Mammal Center  
Dr. Molly Martony – Mystic Aquarium  
Dr. Tatiana Weissbrod – Mystic Aquarium  
Dr. Allison Tuttle – Mystic Aquarium  
Dr. Melissa Joblon – New England Aquarium
- 8:00  
MNS 210 Important Marine Mammal Legislation, Regulatory Agencies, and Member Organizations  
Dr. Tuttle
- 9:00  
MNS 210 Marine Mammals – Taxonomy, Anatomy, Physiology, Reproduction  
Dr. Field
- 10:45  
MNS 210 Marine Mammals Husbandry, Management and Clinical Techniques  
Dr. Weisbrod
- 12:45**  
MNS 210 Regulations in Aquaculture –  
Dr. Michele Walsh– USDA APHIS Veterinary Services  
Bill Keheler
- 14:15  
MNS 210 Marine Mammals Husbandry, Management & Clinical Techniques – Part 2  
Dr. Weisbrod
- 15:30  
MNS 210 Marine Mammal Diseases I (Bacterial, Viral)  
Dr. Field
- 18:30  
MNS 210 Marine Mammal Diseases II (Fungal, Parasitic, Toxins, Misc.)  
Dr. Field
- 19:15  
MNS 210 Ethics of Keeping Marine Mammals Under Human Care (discussion)  
Marine Mammal Group

## Tuesday, 16. June 2026

- 8:00  
MNS 210 Marine Marine Mammal Research & Conservation: Advancing Clinical Medicine for the Application to Wildlife  
Dr. Martony
- 9:15  
MNS 210 Marine Mammal Water Quality/Life Support/Environmental Considerations  
Dr. Martony
- 10:00  
MNS 210 Manatee Medicine  
Dr. Martony

## 2026 Schedule for AQUAVET® I

11:00 MNS 210	Marine Mammal Clinical Cases Dr. Field
13:00 MNS 210	Marine Mammals – Clinical Cases Dr. Martony
14:30 MNS 210	Marine Mammal Special Topics from the Marine Mammal Center & Wild Marine Mammals Dr. Field
15:45 MNS 210	Marine Mammal- Pathology, Principals of Necropsy, and Stranding Cases (Part 1) Dr. Sidor
18:30 MNS 210	Marine Mammal- Pathology, Principals of Necropsy, and Stranding Cases (Part 2) Dr. Sidor

### Wednesday, 17. June 2026

6:00	lv RWU for Woods Hole
7:30 Clark 507	Breakfast and prepare for the necropsy lab Breakfast
8:00 WHOI	<b>Marine Mammal Necropsy Lab WET LAB</b> <b>(need dissection kit – protective clothing will be provided)</b> Consider bring change of clothes for after this lab Lab Safety Briefing at beginning of Lab Drs. Sidor and Field Dr. Melissa Joblon – New England Aquarium Dr. Kate Mueller – Whale and Dolphin Conservation Lauren Brandkamp – Whale and Dolphin Conservation Caroline Genther – Whale and Dolphin Conservation
12:30 Clark 507	Students Present Results of Necropsies for the Group Dr. Sidor leading discussion
13:00 Clark 507	lunch



## 2026 Schedule for AQUAVET® I

10:00 MNS 210	Pet Fish Medicine – Common Diagnostic Techniques Dr. Sanders
11:00 MNS 210	Aquarium World Diagnostics and Selected Aquarium Cases Dr. Shane Boylan – Georgia Sea Turtle Center
12:30 MNS 210	Aquarium World Diagnostics and Selected Aquarium Cases (continued) Dr. Shane Boylan – Georgia Sea Turtle Center
13:00 MNS 210	Treatments for Fish Diseases in Warmwater Pet Fish: Goiter, Gas Saturation, Trauma, Infectious Diseases, etc. Dr. Boylan
15:00 MNS 210	Selection of Pet Fish Cases Dr. Geoffrey Groocock – Transit Animal Hospital
16:00 MNS 210	Selection of Pet Fish Cases (continued) Dr. Sanders
18:30 MNS 210	Fish Anaesthesia and Surgical Techniques Dr. Groocock

### Saturday, 20. June 2026

8:00 MNS 103	<b>Fish Surgery Lab – HALF of CLASS</b> no special equipment needed by students wear scrubs or tshirt Drs. Groocock, Boylan and Sanders
8:00 Meet MNS 103	<b>RWU Shellfish Facility Visit (half of the class)</b> Rob Holmbert – Roger Williams University
10:00	Both halves switch
14:00 MNS 210	Large Display Aquaria Dr. Boylan
15:00 MNS 210	Common Koi Problems Dr. Sanders
17:00	OPEN
19:00	<b>AQUAVET®I Clambake</b>

## 2026 Schedule for AQUAVET® I

### **Sunday, 21. June 2026**

By 10:00      check out – back to reality