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Apply and register online

[www.disl.org/up/ug-apply]
### DISL Campus Contact Information

Executive Director, Dr. John Valentine ................................. 2261  jvalentine@disl.org  
University Programs Chair, Dr. Ken Heck.............................. 2284  kheck@disl.org  
University Programs Registrar, Ms. Regina Kollegger .......... 7526  rkollegger@disl.org  
               Ms. Sally Brennan................................. 2526  sbrennan@disl.org  
University Programs T.A., Ms. Dottie Byron ..................... 7502  dbyron@disl.org  
Discovery Hall Programs, Dr. Tina Miller-Way.................. 2257  tmiller-way@disl.org  
Discovery Hall Programs Registrar, Ms. Sara Johnson...... 7515  sejohnson@disl.org  
Bursar, Ms. Ashley Foster............................................. 7562  afoster@disl.org  
Comptroller, Mr. David England ..................................... 7510  dengland@disl.org  
Information Technology, Ms. Melissa Mills ...................... 7521  mmills@disl.org  
Public Relations, Ms. Angela Levins ............................... 7509  alevins@disl.org  

To contact any of the above members of the Dauphin Island Sea Lab or other listed faculty, please write, email, or call:

Dauphin Island Sea Lab  
101 Bienville Blvd.  
Dauphin Island, AL 36528  

Phone: (251) 861-2141  
Fax: (251) 861-7540 or (251) 861-4646  

Information about DISL may also be obtained on our website at: [www.disl.org](http://www.disl.org).

MESC/Dauphin Island Sea Lab provides equal educational opportunities and is open and accessible to all qualified students, without regard to race, color, creed, national origin, gender or qualified handicap/disability. Disabled students will be provided reasonable accommodations when they have identified themselves and validated their special need(s) in detail on the Application for Admission. Complete confidentiality is maintained unless authorization for release of information has been given.
The Dauphin Island Sea Lab

The Marine Environmental Sciences Consortium (MESC) was formed in 1971 by the Alabama Legislature as a result of the decision by the presidents of Alabama’s largest colleges and universities to limit duplication of facilities and programs related to marine sciences. The MESC, now composed of twenty-two colleges and universities, is commonly referred to as the Dauphin Island Sea Lab (DISL), and is recognized regionally and nationally as a marine sciences institution of growing academic and research distinction.

At the DISL, year-round undergraduate and graduate education and basic and applied research are carried out through the University Programs, while K-12 education, teacher-training and educational outreach activities are directed through the Discovery Hall Programs.

The Facilities

The Dauphin Island Sea Lab is located on a 36-acre campus on the east end of Dauphin Island, 35 miles south of Mobile, Alabama. The facilities accommodate over 160 persons in residence. The DISL campus is a no-smoking, no-alcohol, no-weapons campus.

Support facilities include an apartment building for resident graduate students, 2 dormitories, a cafeteria, 8 three-bedroom houses for faculty, and a laundromat.

Recreational facilities on campus include volleyball and basketball courts, a swimming pool, and beach access.

Teaching facilities include 7 classroom/laboratory buildings.

The Study Center, in the Administration building, is equipped with PCs for student use. A variety of Windows programs are available for word-processing, database management, statistical analysis, communications and graphic presentations. Network and wireless internet access is also available.

Scientific titles, periodicals and books, are accessible via our website, library.disl.org. Students can reserve titles via our website through their Populi account.

The graduate and research programs are housed in the Wiese Marine Science Hall, which contains 24,000 square feet of research labs with office space, and the 10,000-square foot Shelby Center.

Available instrumentation includes a carbon/nitrogen/sulfur analyzer, TOC, nutrient and lipid analyzers, several HPLC’s and gas chromatographs, a scintillation counter, UV/VIS fluorometers and spectrophotometers.

Support equipment includes balances, a refrigerated centrifuge, a lyophilizer, muffle furnaces/ovens, research grade deionized water, computer equipment and the usual complement of laboratory materials. Field gear includes high resolution CTD’s and current meters, oxygen meters, plankton nets, corers, data buoys, transmissometers, water quality monitors, a variety of trawls and other nets for collecting, bottom grabs, photometers, refractometers, pH meters and a variety of water samplers.

Research vessels used for class and research activities include: the R/V Alabama Discovery, a 65-foot, diesel-powered fiberglass hull vessel; the R/V E. O. Wilson, a 42-foot fiberglass hull vessel; and several outboard powered boats (14 to 23 feet).
The Facilities

The Estuarium, our public aquarium, is an educational facility highlighting the four key habitats of coastal Alabama. It includes a 10,000-square-foot Exhibit Hall and Living Marsh Boardwalk. This facility is a showcase of plants, animals, and other natural resources found in local estuaries and surrounding marine habitats. Summer university students can visit without charge using their student ID.

Discovery Hall Programs

In addition to undergraduate/graduate courses available to educators through University Programs, DISL’s education/outreach group, Discovery Hall Programs (DHP), offers marine science education for all ages.

For pre-service/in-service teachers and informal educators, DHP offers professional development workshops: Fins, Fishes and Fisheries, June 18-22; Climate Change in the Gulf of Mexico, July 16-19; Technology in Marine Science - ROVs, June 11-15. Continuing Education Units (CEUs) may be applied for through the participant’s school system, and participants may earn graduate credit through the University of West Alabama for an additional cost.

For K-12 students, DHP offers camps, activity days and a residential course in marine science for high school students.

High school students can enroll in the intensive, month-long, state-approved class in Marine Science (June 25 - July 21). High school students (9th—12th grade) seeking a camp and non-academic atmosphere can apply for the week-long Bay Voyager camp (June 18-23).

Middle school students (rising 7th-9th grade) can participate in Gulf Island Journey, a week-long, residential camp and introduction to coastal ecology (4 sessions: June 4-9, June 25-30, July 9-14, and July 23-28), as well as the ALL-NEW Gulf DeTECHtives camp (rising 6th-8th grade) focusing on technology and robotics in marine science (July 5-7).

Younger campers (rising 5th-6th grade) can participate in the 3-night residential camp, Barrier Island Explorer (3 sessions: June 4-7, June 11-14, & July 23-26).

DHP also offers activities lasting a day or less, including Oceans Alive (June 16, July 21, & July 31); Survivor-Dauphin Island (June 16, July 28, & August 2); and BIO Blitz (June 9, June 23, & August 1).

Please consult our website for dates and more details (http://www.disl.org/educational-programs). To register, contact DHP Registrar, Sara Johnson (251) 861-2141 ext. 7515, DHPSummer@disl.org.

Camps subject to change depending on enrollment.
To learn more about the summer course offerings and registration procedures, students of member schools should contact their DISL campus liaison officer (see page 25). Students not attending an MESC member school should contact the DISL University Programs Registrar, at (251) 861-2141, ext. 7526, or email: rkollegger@disl.org.

Because of limited class size (generally capped at 18), classes often fill early. It is important that applications arrive at DISL by February 17, 2017 for priority registration (to insure you get your first choice courses).

Enrollment will begin immediately after the priority registration deadline. Applications received after the priority registration deadline will be enrolled in classes on a space available basis. DISL will accept applications until the first day of class; however, as noted above, courses usually fill early.

Enrolling in all three sessions is not prohibited; however, students are cautioned about the intensity of taking the maximum number of hours for all three sessions.
**Only one course per session  ##Additional fees apply (fees nonrefundable unless course is cancelled)**

All courses are subject to change. Listed schedule times are approximate and are left to the discretion of the instructor. All courses must be approved by your advisor. For sessions 1 & 2 you may enroll in (1) 6hr, (1) 4-hr & (1) 2-hr course; or (2) 2-hr courses. (2) 4hr courses may be taken at the discretion of your advisor.

Students may be required to work evenings and weekends to meet course requirements (working in the lab, on projects, or participating in field exercises and/or overnight field trips). Some courses may require snorkeling and other water activities.

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### 1st Session May 29-June 30 - 5 weeks

**A Courses**

<table>
<thead>
<tr>
<th>Schedule A6: 6-hour courses: Lecture: 4hrs/wk; Lab: 20 hrs/wk</th>
<th>M/T/W/Th/F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Ichthyology</td>
<td>(6) UG/G</td>
</tr>
<tr>
<td>Bullsard</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule A4: 4-hour courses: Lecture: M/T/W (9A-12P); Lab: M/T (1-4P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal Wetlands Ecology</td>
</tr>
<tr>
<td>Stanton</td>
</tr>
<tr>
<td>Intro To Oceanography</td>
</tr>
<tr>
<td>Mortazavi</td>
</tr>
<tr>
<td>Marine Behavioral Ecology</td>
</tr>
<tr>
<td>Gier</td>
</tr>
<tr>
<td>Marine Mammals</td>
</tr>
<tr>
<td>Lewis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule A2: 2-hour courses: Lecture: TH/F (9A-11:30A); Lab: TH (1-4P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shark and Ray Biology</td>
</tr>
<tr>
<td>Drymon</td>
</tr>
<tr>
<td>Hurricanes of the Gulf Coast</td>
</tr>
<tr>
<td>Blackwell</td>
</tr>
</tbody>
</table>

**B Courses**

<table>
<thead>
<tr>
<th>Schedule B4: 4-hour courses: Lecture: W (1-4P), TH/F (9A-12P); Lab: TH/F (1-4P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Biology</td>
</tr>
<tr>
<td>O’Brien</td>
</tr>
<tr>
<td>Marine Botany</td>
</tr>
<tr>
<td>Cebrian</td>
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<tr>
<td>Marine Ecology</td>
</tr>
<tr>
<td>Baggett</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule B2: 2-hour courses: Lecture: M/T (9A-11:30A); Lab: M (1P-4P)</th>
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</thead>
<tbody>
<tr>
<td>Marine Aquaculture</td>
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<td>Hammer</td>
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<tr>
<td>Marine Restoration Ecology</td>
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<td>Blomberg</td>
</tr>
</tbody>
</table>

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### 2nd Session July 3-Aug. 4 - 5 weeks

**C Courses**

<table>
<thead>
<tr>
<th>Schedule C4: 4-hour courses: Lecture: M/T/W (9A-12P); Lab: M/T (1P-4P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Biology</td>
</tr>
<tr>
<td>O’Brien</td>
</tr>
<tr>
<td>Intro To Oceanography</td>
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<tr>
<td>Krause</td>
</tr>
<tr>
<td>Marine Conservation Biology</td>
</tr>
<tr>
<td>Baggett</td>
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<tr>
<td>Marine Invertebrate Zoology</td>
</tr>
<tr>
<td>Carmichael</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule C2: 2-hour courses TH/F (9A-11:30A); Lab: TH (1p-4p)</th>
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</thead>
<tbody>
<tr>
<td>Coastal Birds</td>
</tr>
<tr>
<td>Woodrey</td>
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</tbody>
</table>

**D Courses**

<table>
<thead>
<tr>
<th>Schedule D4: 4-hour courses: Lecture: W/(1p-4p) &amp; TH/F (9A-12P); Lab TH/F (1p-4p)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Ecology</td>
</tr>
<tr>
<td>Dorgan</td>
</tr>
<tr>
<td>Marine Geology</td>
</tr>
<tr>
<td>Gibson</td>
</tr>
<tr>
<td>Marine Vertebrate Zoology</td>
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<tr>
<td>Boyle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Schedule D2: 2-hour courses Lecture: M/T (9A-11:30A); Lab M (1p-4p)</th>
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</thead>
<tbody>
<tr>
<td>Sea Level Change</td>
</tr>
<tr>
<td>Gibson</td>
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<tr>
<td>Ocean Acoustics &amp; Its Application In Oceanography</td>
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<tr>
<td>Song</td>
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</table>

**Schedule DX: Special Courses July 17 – Aug. 4**

<table>
<thead>
<tr>
<th>Lecture: M-S 9-5; Lab M-Th (6:30P-7:30P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro. To Neurobiology</td>
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<tr>
<td>Keyser et al.</td>
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</tbody>
</table>
Course Descriptions

**Directed Studies**

<table>
<thead>
<tr>
<th>Advanced (UG/G)</th>
<th>1-6 credit hours</th>
</tr>
</thead>
</table>

Students may enroll by special arrangement. All students registering for Directed Research must be accepted by a DISL faculty research supervisor who will be in residence at DISL during the research. Project topic, duration, credit and acceptance by a supervisor must be arranged prior to registration at DISL. Please contact one of the listed faculty members for suggested topics in their area of expertise. Students are expected to enroll and conduct their research over 5 weeks. Directed Studies may be taken to enhance a student’s research experience, but are not intended to substitute for research credit that is directly related to a graduate student’s thesis project. Contact DISL UP Registrar for details.

**May Term (May 15-26)**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology and Conservation of Marine Turtles</strong> (2cr UG/G)</td>
<td>Dr. Wibbels</td>
<td></td>
</tr>
</tbody>
</table>

This introductory course will provide an overview of the biology and conservation of marine turtles. Topics to be covered include the identification, distribution, nesting behavior, migratory behavior, feeding ecology, population biology and genetics, developmental habitats, temperature-dependent sex determination, paleontology and conservation of marine turtles. Students will obtain a detailed knowledge of sea turtle biology; will gain an understanding of why many sea turtle species have become endangered; and how proper management has allowed some populations to recover. The course will culminate with an overnight, multi-day field trip to sea turtle nesting beaches and foraging grounds in the southeastern U.S. The class will also visit sea turtle research and rehabilitation facilities. The overnight field trip will provide students with the opportunity to observe loggerhead, green, and leatherback turtles in their natural habitats. **Special fees apply and will be determined based on enrollment (approximately $550.00). A trip deposit (1/2) will be due on March 10, 2017, with the remaining portion due on May 1, 2017. The fee is nonrefundable unless the class is canceled.**

**Prerequisites** - Introductory course in Biology.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dolphins and Whales</strong> (2cr UG)</td>
<td>Dr. Lewis</td>
<td></td>
</tr>
</tbody>
</table>

This class is an introduction to the biology of cetaceans (toothed and baleen whales). Topics covered will include evolution, taxonomy, anatomy, physiology, genetics, behavior, and conservation related to species within this Order. Lab exercises will introduce current methods used in cetacean research. **Prerequisites** - General Biology.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ecology of the Florida Everglades</strong> (2cr UG/G)</td>
<td>Dr. Stanton</td>
<td></td>
</tr>
</tbody>
</table>

This course examines the natural history and ecology of the world’s rarest and most endangered wilderness area. The course will consist of a week of lectures and discussions focusing on the history, geology, hydrology, and biota of this system, followed by a week of field exploration to examine the Everglades and associated systems. The field component will consist of day-long excursions and tent camping in several Florida State Parks. As such, participants should bring appropriate gear and be prepared to actively and cheerfully participate. **Special fees apply and will be determined by the number of participants in the course (approximately $450.00). A trip deposit (1/2) is due on March 10, 2017 with the remaining portion due on May 1, 2017. The fee is nonrefundable unless the class is canceled.** Email questions to lstanton@uwa.edu. **Prerequisites** - Undergraduate Biology, Zoology or Botany.

Apply and register online
www.disl.org/up/ug-apply
# Course Descriptions

## May Term (May 15-26)

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plankton Biology (2cr UG)</td>
<td>Dr. Moss</td>
</tr>
<tr>
<td>This course will examine all classes of plankton: microbial; phytoplankton; and zooplankton, with emphasis on the gelata, copeods and planktonic larvae. At least one field trip will be at night, and one or more trips will take the students offshore. Students will identify plankton, learn how to assay plankton populations using classic filtration and modern imaging and molecular methods. We will discuss invasive species, the microbial loop, ‘Jelly World’ and the mechanisms and implications of explosive jellyfish blooms. Each student will keep a detailed notebook and give a ten-minute presentation on his/her favorite planktonic organism. Texts required, and scientific papers will be used. Prerequisites – Principles and Organismal Biology or equivalent.</td>
<td></td>
</tr>
<tr>
<td>Shark and Ray Biology (2cr UG/G)</td>
<td>Dr. Drymon</td>
</tr>
<tr>
<td>This course will provide an introduction to the biology of sharks and rays, with special emphasis on regional shark fauna and field techniques. Topics to be covered include chondrichthyan origin, systematics, sensory biology, locomotion, food consumption, osmoregulation, reproductive biology, life history, ecology, fisheries and conservation. Lectures will be supplemented with discussions of papers from the primary literature to familiarize students with current research. In addition, longline and gillnet sampling will provide students with firsthand knowledge of field techniques and local shark identification. Prerequisites - one course in General/Organismal Biology (or equivalent).</td>
<td></td>
</tr>
<tr>
<td>Shellfish Aquaculture of the Gulf of Mexico (2cr UG/G)</td>
<td>Dr. Walton</td>
</tr>
<tr>
<td>This course will provide students with an overview of the various types of shellfish aquaculture practiced in the Gulf of Mexico, both for public stock enhancement and private production. Students will gain a broader understanding of the scale and methods of oyster aquaculture, including cultching, on-bottom and off-bottom methods, as well as clam aquaculture, with field trips to operations in Louisiana, Mississippi, Alabama and Florida. Students will get an overview of shellfish hatchery production and techniques. This course is also designed to assist students with problem solving and communication skills. Special fees apply and will be determined based on student enrollment in the course (approximately $315.00). A trip deposit (1/2) is due on March 10, 2017 with the remaining portion due on May 1, 2017. Fee is nonrefundable unless the class is canceled. Prerequisites – One year of college-level Biology or permission of instructor.</td>
<td></td>
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</tbody>
</table>
### Course Descriptions

**First Session - A6 Courses**
May 29-June 30

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marine Ichthyology</strong> (6cr UG/G)</td>
<td>Dr. Bullard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Ichthyology, a heavily field-based course, challenges students to actively seek out, gather, organize, and identify fishes from the Gulf of Mexico, including daily or overnight trips in Florida, Alabama, Mississippi, Louisiana, and Texas plus weekly offshore collection expeditions. Self-directed and team-dependent field and lab activities occur after 5:00 PM and on weekends*. Students become proficient in field collection techniques and learn to process, identify, classify, and accession fish specimens. The course provides relevant training for state/federal fisheries biologists, marine educators, and students focused on fish biology, marine conservation biology, and evolutionary biology. Due to the extensive field operations and travel that scaffold this course, a travel/logistics fee applies and will be determined based on enrollment (approximately $800.00). A trip deposit (1/2) will be due on March 10, 2017, with the remaining portion due on May 1, 2017. The fee is nonrefundable unless the class is canceled. <strong>Prerequisites</strong> - Undergraduates: One semester introductory science. Graduate students: BS degree in natural sciences. *Students who take this course are strongly encouraged to live in the dormitories at DISL.</td>
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</tbody>
</table>

**First Session - A4 Courses**
May 29-June 30

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coastal Wetlands Ecology</strong> (4cr UG/G)</td>
<td>Dr. Stanton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>This course will focus on coastal and nearshore wetland areas, with an emphasis on the biogeochemical processes that occur within, and issues that threaten and protect these important resources. Wetlands not only provide critical habitat for many aquatic and semi-aquatic species, they are also important for primary productivity, transformation of nutrients, pollutant removal, as well as providing protection from storm surges and floodwaters. Insight into wetland ecology requires understanding of the unique interactions between biology, chemistry and hydrology. <strong>Prerequisites</strong> - General Biology and Botany or Zoology.</td>
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</tr>
<tr>
<td><strong>Intro to Oceanography</strong> (4cr UG/G)</td>
<td>Dr. Mortazavi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>This course provides a general introduction to the physics, chemistry, geology and biology of the ocean and introduces the student to the interrelationships between these factors in the world’s oceans. Field trips in Mobile Bay and near-coastal Gulf of Mexico serve to introduce students to research techniques and oceanographic processes in the region. <strong>Prerequisites</strong> - Basic science major.</td>
<td></td>
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</tr>
<tr>
<td><strong>Marine Behavioral Ecology</strong> (4cr UG)</td>
<td>Dr. Gier</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The course examines how animal behavior is influenced by and interacts with its environment, and the ecological and evolutionary significance of these behaviors in a marine setting. Students will learn principles of behavioral ecology as they relate to marine animals, become familiar with techniques for observing animal behavior and conducting behavioral experiments, and be introduced to methods for collecting and analyzing behavioral data. Snorkeling gear required. <strong>Prerequisites</strong> - Introductory course that covers Zoology (either vertebrate or invertebrate).</td>
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</table>

Apply and register online
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**Course Descriptions**

### First Session - A4 Courses

**May 29 - June 30**

<table>
<thead>
<tr>
<th>Marine Mammals (4cr UG/G)</th>
<th>Dr. Lewis</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course will cover the evolutionary history, taxonomy/classification, anatomy, physiology, behavior and conservation/management issues of marine mammals (cetaceans, pinnipeds, mustelids, sirenians and the polar bear). In addition, research methods used to study marine mammals will be taught (including field and lab techniques). <strong>Prerequisites</strong> – General Biology.</td>
<td></td>
</tr>
</tbody>
</table>

### First Session - A2 Courses

**May 29 - June 30**

<table>
<thead>
<tr>
<th>Shark and Ray Biology (2cr UG)</th>
<th>Dr. Drymon</th>
</tr>
</thead>
<tbody>
<tr>
<td>This course will provide an introduction to the biology of sharks and rays, with special emphasis on regional shark fauna and field techniques. Topics to be covered include chondrichthyan origin, systematics, sensory biology, locomotion, food consumption, osmoregulation, reproductive biology, life history, ecology, fisheries and conservation. Lectures will be supplemented with discussions of papers from the primary literature to familiarize students with current research. In addition, longline and gillnet sampling will provide students with firsthand knowledge of field techniques and local shark identification. <strong>Prerequisites</strong> - one course in General/Organismal Biology (or equivalent).</td>
<td></td>
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</table>

### First Session - B4 Courses

**May 29 - June 30**

<table>
<thead>
<tr>
<th>Marine Biology (4cr UG)</th>
<th>Dr. O’Brien</th>
</tr>
</thead>
<tbody>
<tr>
<td>A general survey of marine plants, invertebrates and vertebrates, the communities they form and the physical and chemical factors that influence them. Field trips include marsh, seagrass, and dune habitats. Sampling from research vessels and laboratory exercises will serve to introduce students to the diversity of marine habitats and organisms. Organisms will be identified using dichotomous keys. Participation in overnight or weekend field trips is a part of this course. Snorkeling gear is required. <strong>Prerequisites</strong> - General Biology.</td>
<td></td>
</tr>
</tbody>
</table>

### Hurricanes of the Gulf Coast (2cr UG/G)

**Dr. Blackwell**

This is an introductory survey course on hurricanes with emphasis on hurricanes in the Gulf of Mexico. Topics include: 1) the hurricane problem along the Gulf Coast and a review of some of the infamous Gulf Coast hurricanes of the last 150 years; 2) Atlantic/Caribbean/Gulf hurricane climatology; 3) the effects of El Niño and multi-decadal changes in the Atlantic circulation on hurricane frequency; 4) favorable/unfavorable environments for hurricane development and intensification; 5) hurricane features and structure; 6) hurricane movement and steering mechanisms; 7) coastal and inland effects from landfalling Gulf Coast hurricanes; and 8) Gulf hurricane forecasting (where will the storm go and how strong will it be at landfall). A half-day boat trip along much of the length of Dauphin Island is planned (weather permitting) during the last week of class to inspect the impact of recent hurricanes on this barrier island. **Prerequisites** - none.
### Course Descriptions

**First Session - B4 Courses**
May 29-June 30

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Instructor</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Botany (4cr UG/G)</td>
<td></td>
<td>Dr. Cebrian</td>
<td>A general survey of marine algae (microscopic and macroscopic), as well as salt marsh vegetation, mangroves, seagrasses and maritime forest communities. Lectures will emphasize identification, distribution, structure, ecology and physiology. Extensive overnight field and laboratory work is involved, including the ability to wade and snorkel. Participation in overnight field trips is a part of this course. Snorkeling gear is required. <strong>Prerequisites</strong> - General Biology.</td>
<td></td>
</tr>
<tr>
<td>Marine Ecology (4cr UG)</td>
<td></td>
<td>Dr. Baggett</td>
<td>This advanced course is open to college juniors, seniors and graduate students. The class will study marine organisms as they interact with each other and their environment, and examine ecological theories and the experimental basis of our current knowledge. The laboratory will consist of field trips to a wide variety of marine habitats and field problems which will be examined by student teams in small groups. Habitats selected for emphasis include coral reefs, kelp forests, seagrass meadows, the rocky intertidal and deep-sea hydrothermal vents. Participation in overnight and weekend field trips is a part of this course. Snorkeling gear is required. <strong>Prerequisites</strong> - General Biology, Marine Biology or Graduate standing.</td>
<td></td>
</tr>
</tbody>
</table>

**First Session - B2 Courses**
May 29-June 30

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Instructor</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Aquaculture (2cr U/G)</td>
<td></td>
<td>Dr. Hammer</td>
<td>This course will introduce students to techniques in live animal culture with an emphasis on basic principles that can be applied to the culture of any organism for research, display or commercial profit. Topics discussed will include: water chemistry, filtration, production techniques, reproduction and nutrition. This course is also designed to assist students with problem solving and communication skills. <strong>Prerequisites</strong> - General Biology required; Ichthyology, Limnology, and Invertebrate Zoology suggested, but not required.</td>
<td></td>
</tr>
<tr>
<td>Marine Restoration Ecology (2cr U/G)</td>
<td></td>
<td>Dr. Blomberg</td>
<td>This course, designed for undergraduate and graduate students, will provide an overview of the scientific and technical principles of marine habitat restoration. We will discuss the role of key ecological concepts in restoration, and the role of restoration in science and society. Students will identify structural and functional components of marine habitats and learn how to design restoration projects and monitoring plans that capture these key habitat components. Lectures will be supplemented with primary literature reading assignments and field trips to various restored habitats (e.g., salt marsh, oyster reef, seagrass bed). <strong>Prerequisite:</strong> One year of undergraduate introductory science (preferably including an Ecology course) and/or consent of the instructor.</td>
<td></td>
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</tbody>
</table>

Apply and register online
www.disl.org/up/ug-apply
## Course Descriptions

### Second Session - C4 Courses  
**July 3-Aug. 4**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Duration</th>
<th>Credits</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marine Biology (4cr UG)</strong></td>
<td></td>
<td>4</td>
<td>Dr. O’Brien</td>
</tr>
<tr>
<td>A general survey of marine plants, invertebrates and vertebrates, the communities they form and the physical and chemical factors that influence them. Field trips include marsh, seagrass, and dune habitats. Sampling from research vessels and laboratory exercises will serve to introduce students to the diversity of marine habitats and organisms. Organisms will be identified using dichotomous keys. Participation in overnight and weekend field trips is a part of this course. Snorkeling gear is required. <strong>Prerequisites</strong> - General Biology.</td>
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<td></td>
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</tbody>
</table>

| **Intro to Oceanography (4cr UG/G)**                                              |          | 4       | Dr. Krause                         |
| This course provides a general introduction to the physics, chemistry, geology and biology of the ocean. Students will approach the material with an interdisciplinary mindset and learn how to examine the ocean as an integrative system. A blend of lecture, in-class hands-on activities, and group discussions are used to communicate the course content. Field trips in Mobile Bay and near-coastal Gulf of Mexico serve to introduce students to research techniques and oceanographic processes in the region. Laboratory activity includes field work, laboratory analysis of field samples, and data synthesis. Multiple (3-4) field trips are mandatory. Students will meet at 7:30am at DISL for field trips. **Prerequisite** - Basic Science major. |

| **Marine Conservation Biology (4cr UG/G)**                                       |          | 4       | Dr. Baggett                        |
| This advanced course is open to college juniors, seniors and graduate students. This course will explore the major threats to marine biodiversity as well as the pros and cons of the potential solutions to these threats. Students will participate in class discussions on current topics in marine conservation biology and will critically evaluate marine conservation primary literature as well as the viewpoints of the various entities involved in marine conservation issues. In addition, students will participate in overnight field trips that support topics covered in lectures and will demonstrate the application of current principles in marine conservation. **Prerequisites** - An Introductory class in either Marine or General Ecology. |

| **Marine Invertebrate Zoology (4cr UG/G)**                                       |          | 4       | Dr. Carmichael                     |
| This course surveys the morphology, natural history and evolutionary relationships of the marine invertebrates. The course includes lectures, laboratory exercises and extended field trips. Participation in overnight field trips is a part of this course. Snorkeling gear is required. **Prerequisites** - Introductory Biology or Zoology. |
## Course Descriptions

### Second Session - C2 Courses

**July 3-Aug. 4**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal Birds of Alabama (2cr UG)</td>
<td></td>
<td>Dr. Woodrey</td>
</tr>
</tbody>
</table>

This course highlights the diverse coastal birdlife of northern Gulf of Mexico. With a focus on the study of avian ecology in the field, this class will include a significant emphasis on the use of both sight and sound as means of field identification. A variety of habitats will be explored, including barrier island nesting grounds, the Mobile-Tensaw River basin, local marshes and other unique coastal habitats. Students will also be introduced to a variety of field ornithology techniques including bird-banding, survey techniques, and monitoring methodologies. Email questions to msw103@ra.msstate.edu. **Prerequisites** – Undergraduate Biology or Zoology.

### Second Session - D4 Courses

**July 3-Aug. 4**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Ecology (4cr UG/G)</td>
<td></td>
<td>Dr. Dorgan</td>
</tr>
</tbody>
</table>

This advanced course open to juniors, seniors and graduate students. The class will study marine organisms as they interact with each other and their environment, and examine ecological theories and the experimental basis of our current knowledge. The laboratory will consist of field trips to a wide variety of marine habitats and field problems which will be examined by student teams in small groups. Habitats selected for emphasis include coral reefs, kelp forests, seagrass meadows, the rocky intertidal and deep-sea hydrothermal vents. Participation in overnight or weekend field trips is a part of this course. Snorkeling gear is required. **Prerequisites** - General Biology, Marine Biology or Graduate standing.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Geology (4cr UG/G)</td>
<td></td>
<td>Dr. Gibson</td>
</tr>
</tbody>
</table>

A study of the geology of the ocean basins, with special emphasis on the continental shelves, their sediments and the sedimentary processes at work there with emphasis on the northeast Gulf of Mexico. Field trips will be taken to study beach processes and sediments in Mobile Bay and offshore. Students will be introduced to the following: technical writing; conducting a research project; working as a team member; data management; concepts of marine geology; critical thinking; principles of science (hypothesis testing). Participation in overnight field trips is a part of this course. **Prerequisites** - Introductory Geology, Statistics recommended.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>Marine Vertebrate Zoology (4cr UG/G)</td>
<td></td>
<td>Dr. Boyle</td>
</tr>
</tbody>
</table>

A survey of marine fishes, reptiles and mammals, with an in-depth comprehensive treatment of their systematics, zoogeography and ecology. Field and laboratory work will stress the vertebrate fauna of the northern Gulf of Mexico and most of the course will be devoted to fishes. Students completing this course will: 1) have a basic understanding of the biology, ecology, physiology and systematics of the various marine vertebrate taxa; 2) gain experience in field and lab identification of members of the various vertebrate taxa; and 3) gain experience in collecting various marine and island vertebrate taxa. **Prerequisites** - Two semesters of General Biology (or equivalent) and accompanying labs.

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Apply and register online

[www.disl.org/up/ug-apply](http://www.disl.org/up/ug-apply)
## Course Descriptions

### Second Session - D2 Courses

**July 3-Aug. 4**

<table>
<thead>
<tr>
<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>Sea Level Change (2cr UG/G)</td>
</tr>
<tr>
<td>Ocean Acoustics and its Application in Oceanography (2cr UG/G)</td>
</tr>
</tbody>
</table>

**Sea Level Change (2cr UG/G)**

This course is an overview of sea level change over geologic time with emphasis on the geologic and climatic mechanisms of change, evidence of past sea level changes, and the impact of expected sea level changes. Topics include: global climate change and eustasy, tectonically-forced sea level change, epeiric seas, transgression and regression sedimentology, coastal geomorphology, and coastal retreat and stabilization issues. Field studies emphasize local evidence for sea level change and human response to changing sea level, such as community displacement, shoreline stabilization, and beach-fill nourishment. This course is designed for undergraduate and graduate students in the physical and biological marine sciences. **Prerequisites**: One year of undergraduate introductory science and or consent of the instructor. For graduate credit, a degree in any science field.

**Ocean Acoustics and its Application in Oceanography (2cr UG/G)**

This course gives a practical guide to learn acoustic propagation basics and acoustical applications in oceanography. It focuses on basic principles, usage of acoustic models and tools, and hands-on practices, instead of lengthy theoretical development. A Matlab software package will be distributed to the students. The software package includes 1) a ray-based acoustic model, 2) acoustic signaling methods, and 3) acoustic processing tools. Centered on the software package, the course utilizes a mix of teaching strategies: lectures, computer demonstrations, and field trips, to build students’ knowledge and skills. Two research cruises in the Gulf of Mexico are planned for the students to practice their learned skills. The first trip will collect acoustic measurements for ray-based modeling when the research vessel is anchored at a few stations. The second trip will collect acoustic measurements when the research vessel moves around for Doppler effects and echo sounding. The course covers 1) acoustic propagation basics, 2) ray-based models, 3) signaling and processing methods, 4) ocean ambient noise, 5) sound impacts on marine mammals, 6) Doppler effects and eco-sounding, which are the principles of two common oceanographic instruments, ACDPs and multi-beam SONARs, respectively. **Prerequisites**: Programming skill in MATLAB.

### Second Session—(July 17 – Aug. 4)

<table>
<thead>
<tr>
<th>Course Description</th>
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</thead>
<tbody>
<tr>
<td>DX Special Course</td>
</tr>
</tbody>
</table>

**Intro. to Neurobiology (4cr Adv.UG/G)**

Students will be introduced to the neuroanatomy and neurophysiology of marine invertebrates and vertebrates. The following aspects of neurobiology will be covered in lectures and laboratory exercises: neurons and glia; passive properties of neurons; resting potentials; action potentials; synaptic transmission; neurotransmitters and receptors; sensory transduction; muscle innervation and contraction; sensorimotor integration; and neurophysiological bases of behavior. In addition, students will use computer simulations that allow a more in-depth exploration of cellular neurobiology than is possible in standard laboratory classes. Students will be introduced to aspects of molecular biology and its applications to neuroscience. This class will include evening and Saturday sessions. The following are recommended but not required: general chemistry and general physics; or permission of the instructor. **Prerequisites**: Introductory Biology.
**DISL Summer Program Faculty/Research Interest**

**Baggett, Lesley P., Ph.D.** (Univ. of South AL, 2010). Assistant Professor, Univ. of Mobile. Benthic ecology and restoration of nearshore environments such as seagrass beds and oyster reefs. The effects of eutrophication on seagrass beds and their associated organisms. lbaggett@umobile.edu.

**Blackwell, Keith, Ph.D.** (TX A&M Univ., 1990). Associate Professor of Meteorology, Univ. of South AL. Tropical meteorology and hurricanes; weather analysis and forecasting; synoptic and mesoscale meteorology; numerical weather prediction. kblackwell@southalabama.edu.

**Blomberg, Brittany, Ph.D.** (TX A&M Univ. Corpus Christi 2015). Researcher, DISL; Research interests include coastal systems science, restoration ecology, socioeconomics, and marine resource management. bblomberg@disl.org

**Boyle, Kelly, Ph.D.** (Univ. of Hawai‘i, Mānoa, 2011). Research interest include behavioral ecology, bioacoustics, functional morphology, sensory biology, and evolution of fishes. kellyboyle.info@gmail.com

**Bullard, Ash, Ph.D.** (Univ. South Miss. Gulf Coast Research Laboratory, 2007). Associate Professor of Fisheries, School of Fisheries, Aquaculture, and Aquatic Sciences, Auburn Univ. Taxonomy, systematics, and ecology of parasites of aquatic animals, aquatic animal health, ichthyology, invertebrate biology. ash.bullard@auburn.edu.

**Carmichael, Ruth, Ph.D.** (Boston Univ., 2004). Senior Marine Scientist II, DISL and Associate Professor, Dept. of Marine Sciences, Univ. of South AL. Marine ecosystem and organismal responses; understanding biological and physiological responses to environmental change such as nutrient enrichment, climate change and other perturbations. Application of methods in stable isotope and population ecology. rcarmichael@disl.org.

**Cebrian, Just, Ph.D.** (Polytechnic Univ. of Catalonia, Spain, 1996). Senior Marine Scientist III, DISL and Professor, Dept. of Marine Sciences, Univ. of South AL. Coastal Ecosystem, Science: Human Impacts on Coastal Ecosystems; Coastal Resiliency and Management; Aquatic-Terrestrial Comparative Ecology. jcebian@disl.org.

**Dorgan, Kelly M., Ph.D.** (Univ. of Maine, 2007). Senior Marine Scientist I, DISL. Assistant Professor, Dept. of Marine Sciences, Univ. of South AL. Sediment ecology, focused primarily on organism-environment interactions; biomechanics and energetics of burrowing; biological-physical interactions; functional morphology of invertebrates. kdorgan@disl.org.

Apply and register online
www.disl.org/up/ug-apply
**DISL Summer Program Faculty/Research Interest**

**Drymon, J. Marcus, Ph.D.** (Univ. of South AL, 2010). Research Senior Marine Scientist I. Research assistant professor, Univ. of South AL. DISL Shelby Center for Ecosystem-Based Fishery Management. Research interests include marine fisheries ecology, specifically trophic interactions/foodweb dynamics of upper trophic-level predators and ecosystem based fishery management. mdrymon@disl.org.

**Gibson, Michael, Ph.D.** (Univ. of TN., 1988). Professor of Geology, Univ. of TN at Martin, Associate Curator, Coon Creek Science Center. Paleocology, taphonomy, and paleoenvironmental reconstruction; coastal marine geology; earth science education. mgibson@utm.edu.


**Hammer, Hugh, Ph.D.** (Univ. of AL B’ham, 2006). Program Manager, Instructor of Aquaculture Education and Dev. Center Science Div., Gadsden State Comm. College, AL. Marine and freshwater aquaculture, specifically the understanding of nutritional requirements, physiology, production methods for marine & freshwater aquaculture species. hhammer@gadsdenstate.edu.

**Heck, Kenneth, Jr., Ph.D.** (FL State Univ.,1976). Chair, University Programs, Senior Marine Scientist, DISL and Professor, Dept. of Marine Sciences, Univ. of South AL. kheck@disl.org.

**Keyser, Kent, Ph.D.** (SUNY Stony Brook, 1980). Professor, Dept. of Vision Sciences, Assistant Vice President for Research, Univ. of AL B’ham. Communication between neurons: neurotransmitters/neurotransmitter receptors in the retina and brain. ktkeyser@uab.edu.

**Krause, Jeffrey, Ph.D.** (Oregon St. Univ., 2008). Senior Marine Scientist I, DISL. Assistant Professor, Dept. of Marine Sciences, Univ. of South AL. Marine diatom and cyanobacteria ecology and understanding the coupling between the marine biogeochemical cycle of silicon with those for carbon and nitrogen. jkrause@disl.org.

**Lewis, Jennifer, Ph.D.** (FL Int. Univ., 2010). Director, Tropical Dolphin Research Foundation. Animal movement and the benefits of group formation; foraging ecology; behavioral ecology of tropical dolphin species; marine ecological conservation with focus on non-lethal effects of vessel traffic on marine species. jlewio06@fiu.edu.

**Mortazavi, Bezhad, Ph.D.** (FL State Univ., 1998). Senior Marine Scientist II, DISL. Associate Professor, Univ. of AL, and Director of MS program in Marine Science at Univ. of AL. Biogeochemistry, stable isotope ecology, and global change. bmortazavi@ua.edu.
DISL Summer Program Faculty/Research Interest

Moss, Anthony G., Ph.D. (Boston Univ., 1986). Associate Professor of Biological Sciences, Marine Biology Program Coordinator, Auburn Univ. Ctenophores and jellyfish, salps, marine microbial biology, cilia & flagella. mossant@auburn.edu.

O'Brien, Jack, Jr., Ph.D. (Univ. of CA, Santa Barbara, 1984). Assistant Professor of Biology, Univ. of South AL. Physiological and ecological aspects of crustacean growth, ecology and biology of parasitic castrators. jobrien@southalabama.edu.

Song, Aijun, Ph.D. (Univ. of Delaware, Newark, 2005). Assistant Professor, Dept. of Electrical Engineering, Univ. of Alabama. Research Interests: Digital signal processing, embedded systems, digital communications and networking, ocean acoustics, ocean monitoring and exploration. song@eng.ua.edu.

Stanton, Lee, Ph.D. (LA State Univ., 2005). Associate Professor, Univ. of West AL., Director of Black Belt Conservation and Research Institute. Ecology of coastal wetland environments. lstanton@uwa.edu.

Strang, Christianne, Ph.D. (Univ. of AL at B'ham., 2004). Research Instructor, Dept. of Vision Sciences, Univ.ofAL B'ham. Function of acetylcholine receptors in visual processing. cstrang@uab.edu.

*Valentine, John, Ph.D. (Univ. of AL., 1989). Executive Director and Senior Marine Scientist, DISL, Professor, Dept. of Marine Sciences, Univ. of South AL. Experimental Marine Ecology, Plant-animal interactions, Habitat Linkages, Human-Dominated Ecosystem. jvalentine@disl.org.

Walton, William, Ph.D. (Univ. of Maryland, 2003). Senior Marine Scientist I, DISL. Associate Professor, Auburn Univ., School of Fisheries, Aquaculture and Aquatic Sciences, Marine Ext. Specialist, AL. Cooperative Extension System. Marine invertebrate fisheries, restoration and aquaculture. billwalton@auburn.edu.

Wibbels, Thane, Ph.D. (TX A&M Univ., 1988). Associate Professor of Biology, Univ. of AL B’ham. The biology of temperature-dependent sex determination in reptiles, including emphasis on its implications for the ecology, evolution and conservation of sea turtles. twibbels@uab.edu.

Woodrey, Mark, Ph.D. (Univ. of Southern MS, 1995). Avian Ecologist/Coastal Ecologist at MS State Univ./Research Coordinator at Grand Bay National Estuarine Research Reserve. Marsh bird ecology and conservation; monitoring programs for biological resources; tidal marsh ecology; ecological effects of sea level rise on coastal ecosystems. msw103@ra.msstate.edu.

*These faculty are not instructing undergraduate courses this year.*

Apply and register online
www.disl.org/up/ug-apply
**Fees, Tuition, Room and Board Costs**

**Tuition Paid to Your University**
After confirmation of enrollment at DISL, students must register and pay course tuition at their home campus. Birmingham Southern College applicants should check with their campus liaison officer for appropriate procedures for tuition payment.

**ALL Room, Board, Lab and Activity Fees are paid directly to DISL:**
Upon arrival at DISL, students are responsible for any unpaid DISL lab fees, activity fees, and room and board fees. Students will also be required to furnish proof of tuition paid and schedule of courses registered for at their home campus before they will be permitted to attend class(es).

Proof of tuition paid and schedule of courses registered for at your home university should be presented to the Registrar at DISL during registration. The schedule of courses registered for and a receipt for tuition paid from the student's home institution is acceptable.

**DISL Fees:**
- Lab Fee: $40 per course (except Auburn University students)
- Student Activity Fee: $10 per year (does not apply to students attending May Term only)

Once a student begins class, no refunds for lab or student activity fees will be issued.

Special fees for related travel are non-refundable unless course is cancelled. DISL fees may be paid on a session-by-session basis if arranged beforehand with the DISL Bursar.

**DISL Room and Board:**
$140/week double occupancy; $190/week private, if available
Dormitory rooms are available based on two-person occupancy per room. All rooms are air-conditioned and have wireless Internet connections. Students must supply their own bed linens. NO pets are allowed.

If space is available, private rooms will be issued on a first-come basis. Please specify if you would be interested in a private room. Private rooms will be issued on a per session basis and cannot be guaranteed for all terms.

**Students may check into Challenger dorm after 12:00 noon the Sunday before class begins on Monday.** (Directions will be posted on the Administration building door.) After the course ends on Friday, students will be expected to check out of dorms Saturday before 9:00 a.m. If a student is flying into Mobile Regional airport and requires transportation to DISL, we recommend you arrive on the Saturday before the term begins and departure on the Saturday morning after term ends. If airport pick-up is needed please notify the registrar at least 4 weeks in advance. registrar@disl.org

Apply and register online
[www.disl.org/up/ug-apply]
**Fees, Tuition, Room and Board Costs**

All dormitory residents are required to purchase either 5 or 7-day meal plan
(Preparation of food in the dormitories is absolutely prohibited.)

**Meal plan:**
7-day plan $185.50/week
5-day plan $132.50/week (Sunday dinner through Friday lunch)

All efforts will be made to meet special dietary requirements, upon notification on the application and/or to the cafeteria manager (251) 861-2141, ext. 7538.

**TOTAL COSTS FOR DOUBLE OCCUPANCY ROOM AND BOARD ARE:**

<table>
<thead>
<tr>
<th>Number of Weeks</th>
<th>dorm/5-day meal</th>
<th>dorm/7-day meal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - weeks (e.g., May Term)</td>
<td>$ 545.00</td>
<td>$ 651.00</td>
</tr>
<tr>
<td>5 - weeks (e.g., First Session)</td>
<td>$1,362.50</td>
<td>$1,627.50</td>
</tr>
<tr>
<td>7 - weeks (e.g. May &amp; First Session)</td>
<td>$1,907.50</td>
<td>$2,278.50</td>
</tr>
<tr>
<td>10 - weeks (e.g., First &amp; Second Sessions)</td>
<td>$2,725.00</td>
<td>$3,255.00</td>
</tr>
<tr>
<td>12 - weeks (e.g. May, First &amp; Second Sessions)</td>
<td>$3,270.00</td>
<td>$3,906.00</td>
</tr>
</tbody>
</table>

**Books** can be purchased at the DISL Estuarium upon arrival. Call (251)861-2141, ext.7562 with questions.

**Payment to DISL in Advance:** To avoid registration lines, payment may be made online via your student Populi account disl.populiweb.com, or mailed at least TWO WEEKS prior to your arrival. MasterCard, Visa, Discover and American Express are accepted over the phone. No cash accepted. Make check or money order payable to DISL and mail to **Bursar**, 101 Bienville Blvd., Dauphin Island, AL 36528. Call (251) 861-2141, ext. 7562 with questions. DISL fees may be paid on a per session basis if arranged beforehand with the DISL Bursar.

**Payment Deferrals:** Payment deferrals will be made only upon receipt at DISL of written verification of loan, grant, fellowship, assistantship, VA or other forms of support. The verification must be from an authorized agent of the awarding entity and must indicate the amount awarded, anticipated date(s) of receipt and schedule of payments if not a single lump sum. It should be indicated to whom payment will be made, i.e., academic institution for tuition only or without limitation, to the student directly, etc. Students receiving deferrals must sign a promissory note to DISL in the amount of the deferral. There will be no deferrals on meal tickets. All deferred charges must be paid by the end of the term in order to enroll in a subsequent term and for grades to be transmitted to the appropriate campus.

Apply and register online
www.disl.org/up/ug-apply
Course Registration

Application deadline for priority registration: **February 17, 2017**.

DISL will accept applications until the first day of class; however, courses will fill early and students should try to send their application before the priority registration date.

**Step #1 Complete the DISL application in PRINT OR ONLINE:**

**PRINT Application**

- Fill out the DISL application for admission in the back of this booklet.
- Take the application advisement sheet (back of application) to your campus liaison officer (see page 25) for advising, approval, and signature.
- Mail the signed application and advisement form and a $75 application fee* (credit cards, checks should be made out to DISL. No cash accepted.)

Dauphin Island Sea Lab
Regina Kollegger, UP Registrar
101 Bienville Blvd., Dauphin Island, AL 36528

**NOTE:** Applications will not be accepted without the signature of your campus liaison officer and the $75 application fee. (*Application fee is non-refundable unless the course a student registered for is full or canceled, and another choice is not an option.)

**ONLINE Application**

- Visit [www.disl.org/up/ug-apply](http://www.disl.org/up/ug-apply) for instructions for logging onto our student application portal.– [disl.populiweb.com](http://disl.populiweb.com)
- Once your student account is created on [disl.populiweb.com](http://disl.populiweb.com), upload/submit digital image, photo/scan of signed advisor’s sheet (back of application).
- Complete online application with course choices.

**Step #2 Confirmation of Enrollment via DISL.Populiweb.com**

DISL will email a package to you confirming your enrollment at DISL (after the priority registration deadline) which will include an acceptance statement, instructions to login to your DISL Student account via [disl.populiweb.com](http://disl.populiweb.com), and a link to required forms.

Once you login to your student account on DISL.Populiweb.com, you will be able to view:

- a listing of the course(s) that you have selected and the status of your enrollment at DISL in the course(s) (i.e. register, wait, drop).

**Payment to DISL in Advance:** To avoid registration lines, payment may be made online via your student Populi account [www.disl.populiweb.com](http://www.disl.populiweb.com), or mailed at least two weeks prior to your arrival. MasterCard, Visa, Discover and American Express are accepted over the phone. No cash accepted. Make check or money order payable to DISL and mail to Bursar, 101 Bienville Blvd., Dauphin Island, AL 36528. Call (251) 861-2141, ext. 7562 with questions.

Apply and register online
[www.disl.org/up/ug-apply](http://www.disl.org/up/ug-apply)
Course Registration

Step #3 Enrollment at Your Home Campus

Once you have received notice from DISL that you are enrolled in classes at DISL:

- **You MUST also register at your home campus** and pay your home campus tuition (not applicable for Birmingham Southern Students).
- **You must submit proof of home campus tuition paid and a schedule of courses registered for at your home campus.** This can be done via email, online via disl.populiweb.com, or during registration at DISL.

**NOTE:** In cases where your home institution does not permit you to register for classes before DISL classes begin and you fail to register when campus registration begins, you will be obligated to pay DISL directly for the cost of registration and tuition.

Step #4 On-Campus Registration and Orientation at DISL

- In order for you to attend any course at DISL, you must attend an on-campus registration and orientation session at DISL before your session begins. At registration you will:

1. Pay DISL fees (i.e., laboratory fees, room, board and activity fee) if you did not pay them online via your disl.populiweb.com account

2. Provide the UP Registrar with a receipt of tuition paid at your home institution and a schedule of courses registered for if you did not upload them online via your Disl.populiweb.com account (you must register at your home campus to receive this proof of tuition paid and schedule of courses registered for).

3. Turn in all required forms. if you did not complete and upload your forms online via your disl.populiweb.com account. All forms can be notarized at DISL Registration. All forms may be downloaded from our website: www.disl.org/up/ug-apply

Apply and register online
www.disl.org/up/ug-apply
# Tentative Registration and Orientation Schedule

|                      | May Session  
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>May 15– May 26</td>
</tr>
<tr>
<td>Check-in:</td>
<td></td>
</tr>
<tr>
<td>Challenger Dorm</td>
<td>Sunday, May 14,</td>
</tr>
<tr>
<td></td>
<td>after 12:00 noon</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration:</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td></td>
</tr>
<tr>
<td>Building</td>
<td>Sunday, May 14</td>
</tr>
<tr>
<td></td>
<td>2:30 pm- 5:00 pm</td>
</tr>
<tr>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>Monday, May 15,</td>
</tr>
<tr>
<td></td>
<td>7:15am- 9:15 am</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Commuters</td>
</tr>
<tr>
<td></td>
<td>Monday, May 15,</td>
</tr>
<tr>
<td></td>
<td>8:00 am</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Orientation:</td>
<td></td>
</tr>
<tr>
<td>Shelby Auditorium</td>
<td>Monday May 15,</td>
</tr>
<tr>
<td></td>
<td>9:30am</td>
</tr>
<tr>
<td>Students attending</td>
<td></td>
</tr>
<tr>
<td>multiple sessions are</td>
<td>May 29,</td>
</tr>
<tr>
<td>only required to</td>
<td>Monday May 29,</td>
</tr>
<tr>
<td>attend one</td>
<td>9:30am</td>
</tr>
<tr>
<td>orientation session</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monday July 3,</td>
</tr>
<tr>
<td></td>
<td>9:30am</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>After Orientation</td>
</tr>
<tr>
<td></td>
<td>After Orientation</td>
</tr>
<tr>
<td></td>
<td>After Orientation</td>
</tr>
<tr>
<td>Check-out:</td>
<td></td>
</tr>
<tr>
<td>Challenger Dorm</td>
<td>Saturday, May 27</td>
</tr>
<tr>
<td></td>
<td>by 9:00 am</td>
</tr>
<tr>
<td></td>
<td>Saturday, July 1</td>
</tr>
<tr>
<td></td>
<td>by 9:00 am</td>
</tr>
<tr>
<td></td>
<td>Saturday, Aug. 5</td>
</tr>
<tr>
<td></td>
<td>by 9:00 am</td>
</tr>
</tbody>
</table>

Introduction to Neurobiology will have an separate schedule for Orientation.

**Hurricane Procedure:** In the event evacuation becomes necessary due to a hurricane, information regarding closing of DISL and alternative housing for students living in the dorms, will be available through University Programs. Students may leave evacuation destination information with University Programs Registrar. Once the emergency situation has concluded and electrical power is established, information regarding the reopening of DISL and all other necessary information will be recorded on the switchboard answering machine (251) 861-2141. If power is not immediately restored to DISL, information will be sent to local radio and television stations. The DISL website www.disl.org will also be updated with current information.

**DISL hurricane toll free phone number:** (800) 652-9660.

---

**Apply and register online**

www.disl.org/up/ug-apply
**MESC Institutions & DISL Campus Liaison Officers**

*Alabama A&M University*
Dr. Malinda Wilson Gilmore  
Dept. of Chemistry, Physics and Math  
4900 Meridan Street/PO Box 322  
Normal, AL 35762  
Ph: (256) 372-4803/Fax: (256)372-8288  
Malinda.gilmore@aamu.edu

*Alabama State University*
Dr. B.K. Robertson  
Dept. of Biological Sciences  
915 S. Jackson Street Montgomery, AL 36104  
Ph: (334) 229-4423/Fax: (334)229-1007  
brobertson@alasu.edu

*Auburn University*
Dr. Anthony G. Moss  
Dept. of Biological Sciences  
331 Funchess Hall  
Auburn, AL 36849  
Ph: (334) 844-9257/Fax: (334)844-9234  
mossant@auburn.edu

*Auburn University at Montgomery*
Dr. John Aho  
Dept. of Biology  
Post Office Box 244023  
Montgomery, AL 36124  
Ph: (334) 244-3787/Fax: (334)244-3826  
jaho@aum.edu

*Birmingham Southern College*
Dr. Andrew Gannon  
Dept. of Biology  
Box 549022  
Birmingham, AL 35254  
Ph: (205) 226-4899/Fax: (205)226-3078  
agannon@bsc.edu

**Huntingdon College**
Dr. Paul Gier  
Dept. of Biology  
1500 E. Fairview Ave.  
Montgomery, AL 36106  
Ph: (334) 833-4510/Fax: (334)833-4486  
pgier@huntingdon.edu

**Jacksonville State University**
Dr. George Cline  
Dept. of Biology  
700 Pelham Rd., N.  
Jacksonville, AL 36265-1602  
Ph: (256) 782-5798/Fax: (256)782-5587  
gcline@jsu.edu

**Athens State University**
Dr. Christopher J. Otto  
Dept. of Biology  
Athens, AL 35611  
Ph: (256) 233-6554/Fax(256233-8164  
ottocj@athens.edu

**Judson College**
Dr. Jeremy Olson  
Dept. of Chemistry  
Bibb Street  
Marion, AL 36756  
Ph: (334) 683-5206/Fax: (334)683-5282  
jolson@judson.edu

**Samford University**
Dr. Lawrence Davenport  
Dept. of Biological & Environmental Sciences  
800 Lakeshore Drive  
Birmingham, AL 35229  
Ph: (205) 726-2584/Fax: (205)726-2479  
jldavenp@samford.edu

**Spring Hill College**
Dr. Charles Chester  
Dept. of Biology  
Mobile, AL 36608  
Ph: (251) 380-3071/Fax : (251)460-2198  
cechester@shc.edu

Apply and register online  
www.disl.org/up/ug-apply
### MESC Institutions & DISL Campus Liaison Officers

#### Talladega College
**Dr. Lawrence Drummond**
Div. of Natural & Comp. Science  
627 West Battle Street  
Talladega, AL 35160  
Ph: (256) 761-6307/Fax: (256)761-6437  
ldrummond@talladega.edu

#### University of Mobile
**Dr. Lesley Baggett**
Dept. of Natural Sciences 5735 College Parkway  
Mobile, AL 36613  
Ph: (251) 442-2408/Fax: (251)442-2523  
lbaggett@umobile.edu

#### University of Montevallo
**Dr. Jill Wicknick**
Dept. of Biology, Station 6480  
Montevallo, AL 35115  
Ph: (205) 665-6458/Fax: (205)665-6477  
wicknickja@montevallo.edu

#### University of North Alabama
**Dr. Terry Richardson**
Dept. of Biology Box 5048  
Florence, AL 35632  
Ph: (256) 765-4429/Fax: (256)765-4430  
trichardson@una.edu

#### *TROY*
**Dr. Stephen Landers**
Dept. of Biological & Env. Sciences  
Troy, AL 36082  
Ph: (334) 670-3661/Fax: (334)670-3662  
slanders@troy.edu

#### Universities with Graduate Programs

#### *Tuskegee University*
**Dr. Richard Whittington**
Dept. of Biology  
Tuskegee, AL 36088  
(334) 724-4218/Fax: (334)724-3919  
hwittingtonr@mytu.tuskegee.edu

#### *University of Alabama*
**Dr. Julie Olson**
Dept. of Biological Sciences  
Box 870344  
Tuscaloosa, AL 35487-0344  
Ph: (205) 348-2633/Fax: (205)348-1786  
jolson@bama.ua.edu

#### *University of South Alabama*
**Dr. Jack O’Brien**
Dept. of Biology  
Mobile, AL 36688  
Ph: (251) 460-7525/Fax: (251)414-8220  
jobrien@southalabama.edu

#### University of West Alabama
**Dr. Lee Stanton**
Dept. of Biology Livingston, AL 35470  
Ph: (205) 652-3724/Fax: (205)652-3831  
lstanton@uwa.edu

#### *Schools with Graduate Programs*

---

**Apply and register online**  
www.disl.org/up/ug-apply
Application for Admission

Application deadline for priority registration: **February 17, 2017**.

Name (print) ________________________________________________________________

Date of Birth ________                   Gender (M/F)_______ Social Security # (last 5 digits)________________

MESC School registering through _________________________________________________

Student ID# ____________ Level (ie. Fresh., Soph., Undergraduate or Graduate) ____________

Are you paying out-of-state tuition? _______ Other institutions attended, degrees, dates ____________

Your current address at school: _________________________________________________

City ____________ County _____________ State ______ Zip Code_______ Phone#___________

Your permanent address at home: _________________________________________________

City ____________ County _____________ State ______ Zip Code_______ Phone#___________

Your email ___________________________________ Your cell phone #__________________

Emergency Contact: ___________________________________________________________

Contact’s relationship to you___________________________ Contact Phone# _______________

Do you have any allergies, particularly to drugs or medication?     Yes                             No

If yes please describe: __________________________________________________________

Please list prescribed medications: _______________________________________________

Are you susceptible to motion sickness? ___________________________________________

Will you need dormitory accommodations? Yes         No                          If yes you must purchase a meal plan

If space is available in dorms, would you like a private room at additional cost?     Yes         No

If you are staying in the dorm and would like to room with a particular person who will also be attending the program, please provide his/her name:____________________________________________

Would you like a meal plan? Yes         No                          If yes, which plan?  5 day                  7 day _______________

Do you have any special dietary needs? If yes, please list: ___________________________

Application will not be accepted without $75 application fee and signature of campus liaison officer. (Fee is non-refundable unless the course a student registered for is full or canceled; and another choice is not an option.) Once you have received notice that you are enrolled in classes at DISL, you MUST also register at your home campus and pay their campus tuition. Send completed application and $75 deposit check to: DISL, UP Registrar, 101 Bienville Blvd., Dauphin Island, AL 36528. OR APPLY ONLINE.

Apply and register online

[www.disl.org/up/ug-apply](http://www.disl.org/up/ug-apply)
**Advisor’s Sheet**

### MAY Session - May 15-May 26 – 2 weeks

One course only may be taken in this session.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>1st Choice</th>
<th>2nd Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>#Biology &amp; Conservation of Marine Turtles</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dolphins and Whales</td>
<td>(2)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ecology of Florida Everglades</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plankton Biology</td>
<td>(2)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shark and Ray Biology</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shellfish Aquaculture of GOM</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1st Session May 29-June 30 - 5 weeks

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>1st Choice</th>
<th>2nd Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>A6 Course-One only per session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Ichthyology</td>
<td>(6)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A4 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coastal Wetlands Ecology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intro To Oceanography</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Behavioral Ecology</td>
<td>(4)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Mammals</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A2 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shark and Ray Biology</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hurricanes of the Gulf Coast</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B4 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Biology</td>
<td>(4)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Botany</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Ecology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B2 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Aquaculture</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Restoration Ecology</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

It is important to list both first and second choices for courses whenever possible. If applying online this advisor sheet must be signed and uploaded to your web application. All courses are subject to change.

### 2nd Session July 3-Aug. 4 - 5 weeks

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>1st Choice</th>
<th>2nd Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Biology</td>
<td>(4)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intro To Oceanography</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Conservation Biology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Invertebrate Zoology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coastal Birds</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D4 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Ecology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Geology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marine Vertebrate Zoology</td>
<td>(4)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D2 Courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sea Level Change</td>
<td>(2)UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ocean Acoustics</td>
<td>(2)UG/G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DX: Special Course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cannot be taken with any combination of courses</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intro. To Neurobiology</td>
<td>(4)Adv. G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Course Combinations**

Compatible | Incompatible
---|---
A2 and A4 A2 and B2 | B2 and B4 A2 and B4 B2 and A4
C2 and C4 C2 and D2 | D2 and D4 D2 and C4

**Total # credits (all terms)**

**Priority Level** I II III

**Date:**

**Advisor’s Signature**

**Student Signature**
Teaching Assistant Application – Due March 13, 2017

Name (print) ____________________________________________________________

Date of Birth __________ Gender (M/F) __________ Social Security # (last 5 digits) __________

Your home address: ______________________________________________________

City __________ County __________ State ______ Zip Code __________ Phone# __________

Your email __________________________________________ Your cell phone # __________

If a graduate student - GRE scores: V ______ Q ______ A ________ Test Date: __________

If undergraduate student – ACT scores and date: __________________________________________

Are you currently CPR certified? __________

Have you participated in Summer Programs at DISL? And if so, which courses did you take?

List any colleges you are currently attending or have attended:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Year</th>
<th>Major GPA</th>
<th>Degree Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IV. List any honors and awards received: __________________________________________

V. What sessions and courses can you assist with? ________________________________

Dates available to TA: ______________________________________________________

VI. Reference: Name ______________________________________________________

Phone ______________________________ Email address: __________________________

Application Checklist:
1. A completed application form.
2. A statement of interest.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/

Return by mail, email or fax to: Regina Kollegger (rkollegger@disl.org), University Programs Registrar, DISL, Attn: Teaching Assistantships, 101 Bienville Blvd., Dauphin Island, AL. 36528, 251/861-2141, ext. 7526, fax 251/861-7540 or 861-4646.
Teaching Assistant—Applications Due March 13, 2017

Up to eight summer teaching assistantships are available for each term (May term: First Session and Second Session) on the campus of Dauphin Island Sea Lab. Assistantships are available for one or more of the terms.

Qualifications/Restrictions:

- Teaching Assistants must be in residence at DISL one week before their assignment begins for orientation and to assist with course setup. Assistants must also be able to clean and store teaching materials after classes end.
- Graduate student status is desired (junior/senior undergraduates may be considered, if qualified).
- Assistants must have academic training in at least one of the following areas: ecology, marine biology, marine botany, marine vertebrate zoology, marine invertebrate zoology or oceanography.
- Field experience is strongly preferred. It is also desired that the assistant has successfully completed the course for which they are assisting.
- Teaching Assistants may not be enrolled in classes due to time commitment and scheduling problems.
- Assistants will work 20 hours/week and may be required to work on weekends or go on overnight trips.
- Assistants must be CPR-certified.
- Assistants must have a valid driver’s license and be approved to drive under DISL insurance.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/

A completed application must include the following documentation:

- A letter of interest indicating the specific course(s) you can assist with and the session(s) that you are available;
- A transcript itemizing your training and experience in the subject area(s);
- A letter of recommendation from a faculty member who can evaluate your qualifications and previous teaching performance;
- A completed Assistantship application form.

Responsibilities:

- Work on average 20 hours per week assisting professor in preparation and execution of field and laboratory exercises.
- Instruction of students in the laboratory and some laboratory lecturing may be required.
- Participation in field exercises and specimen identification.
- Keep laboratory, classroom, lab preps, storage cages and water tables supplied, organized and cleaned.

Compensation:

- Teaching assistants will be provided with a stipend of $261 - $327 per week, depending on graduate status. For undergraduates, rates will be determined on a case-by-case basis.
Dorm Monitor Application – Due March 13, 2017

Name (print) ________________________________________________________________

Date of Birth ________ Gender (M/F)______ Social Security # (last 5 digits)__________

School attending ______________________________ Level (Frosh, Soph., Graduate or Undergraduate) _____

Your current address at school: ___________________________________________________

City ____________ County _____________ State ______ Zip Code_______ Phone#___________

Your permanent address at home: _________________________________________________

City ____________ County _____________ State ______ Zip Code_______ Phone#___________

Your email ___________________________________ Your cell phone #__________________

Emergency Contact: ___________________________________________________________

Contact’s relationship to you___________________________ Contact Phone# ________________

What skills do you have that would suit you for this position?

List relevant courses/Experiences:

List Honors, Awards

Have you participated in DISL summer courses before?

Courses you intend to enroll in while at DISL

Application Checklist:
1. A statement of intent
2. A transcript
3. Two letters of recommendation
4. Documentation of need (by Financial Aid Office or Student Advisor)
5. A submission of this form.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/

Return by mail, email or fax to: Regina Kollegger (rkollegger@disl.org), University Programs Registrar, DISL, Attn: Teaching Assistantships, 101 Bienville Blvd., Dauphin Island, AL 36528, 251/861-2141, ext. 7526, fax 251/861-7540 or 861-4646.
Dorm Monitor–Applications Due March 13, 2017

Preferably a graduate student. Compensation is $125 per week, plus a private room/meal plan in the dormitory. (2 positions available).

- Minimum of 2.50 cumulative G.P.A. Residence hall living and/or student leadership experience is required.
- Dorm Monitors/RA must have a clean driving record and valid driver’s license and cleared to drive on DISL insurance.
- Dorm Monitors/RA may be required to attend CPR training if not certified.
- There are two dorm monitors in Challenger Dorm. Male dorm monitor lives in Challenger 101, female monitor in 201. Males are typically housed on first floor; females second floor.
- Dorm Monitors/RA must be in residence for all three sessions and be able to be present on campus at least one-half of the weekends coordinating duties with other dorm monitor.
- Dorm Monitors/RA should plan to arrive at least four to six days before term starts.

Basic Dorm Monitor/RA Job Description:
A Dorm Monitor/RA is the student staff member for Challenger Dormitory, a residence hall area at the Dauphin Island Sea Lab. The Dorm Monitor/RA is a student leader among their peers that acts as assistant to and under the supervision of the University Programs Registrar. The major responsibilities of the Dorm Monitor/RA include: assigning dorm rooms, promoting community; developing relationships; helping to establish and maintain a healthy residential environment conducive to academic and personal growth; assisting with the disciplinary procedure as necessary; implementing University and Housing policies; and assisting with individual student needs, transporting students to airport, events and such required by University Programs Registrar.

Specific Dorm Monitor/RA Duties:
- Must practice confidentiality, be trustworthy, reliable, and able to communicate and follow rules and direction from University Program Registrar.
- Be willing to commit for the entire summer (approximately 12 weeks). Remain on campus before and after term for administrative responsibilities – make room assignments, distribute keys, submit required paperwork and current reports to University Programs Registrar.
- Serve as the on-call staff member for the residential area throughout the Summer Programs and holiday breaks as scheduled; rotating with other dorm monitor so that one of the two is always on campus, transport students to airport if needed, etc.
- Recognize that the Dorm Monitor/RA position is your primary out-of-class obligation.
- Demonstrate the characteristics of a Dorm Monitor/RA Servant-Leader.
- Facilitate community success by encouraging programming efforts and resident engagement.
- Administer the procedures and policies assigned by University Programs Registrar and Chair of University Programs.
- Serve as a resource to residents. Assist with emergency situations and illnesses.
- Report and follow-up with maintenance/dorm concerns (work orders).
- Be available and present for your residents as needed.
- Control noise and unruly residents and/or guests.
- Assist in the opening and closing procedures of the building as necessary (keeping doors locked, vacant rooms locked, etc.)
- Serve as a liaison to the residential community through University Programs Registrar.
- Support, promote, & implement programs as directed by the University Programs Registrar (by personal attendance.)
- Communicate campus information as needed to University Programs Registrar.
Library/Study Hall Aide Application - Due March 13, 2017

Name (print) ____________________________

Date of Birth ________ Gender (M/F)_____ Social Security # (last 5 digits)__________

School attending __________________________ Level (Frosh, Soph., Graduate or Undergraduate) ______

Your current address at school: _____________________________________________________________

City ____________ County ____________ State ______ Zip Code_______ Phone#____________________

Your permanent address at home: __________________________________________________________

City ____________ County ____________ State ______ Zip Code_______ Phone#____________________

Your email __________________________ Your cell phone #____________________

Emergency Contact: ________________________________________________________________

Contact’s relationship to you___________________________ Contact Phone# __________________

Colleges you attend or have attended:

List relevant courses/Experiences:

List Honors, Awards, Publications:

Have you participated in DISL summer courses before?

Courses you intend to enroll in while at DISL:

Application Checklist:
1. A completed application form,
2. A statement from student outlining any relevant experience, and
3. Two letters of reference from individuals qualified to evaluation your performance of the responsibilities.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/

Return by mail, email or fax to: Regina Kollegger (rkollegger@disl.org), University Programs Registrar, DISL, Attn: Teaching Assistantships, 101 Bienville Blvd., Dauphin Island, AL. 36528, 251/861-2141, ext. 7526, fax 251/861-7540 or 861-4646.
Library/Study Hall Aide—Applications Due March 13, 2017

The Dauphin Island Sea Lab (DISL) is offering up to 5 Library Aide positions for the 2017 Summer Programs: May Term: May 15 – May 26, First Session: May 29 - June 30, Second Session: July 3 – August 4, 2017. Library aides are under the supervision of the University Programs Registrar.

Qualifications/Requirements:

- Library Aides should be enrolled in a minimum of 2 summer sessions.
- Library Aides must be mature and have a solid academic record
- Preference will be given students who are enrolled in more than one session, but consideration will be given to students enrolled in one session.

Responsibilities:

- Assist in the library up to 10 hours per week.
- Work evenings and weekends after normal staff hours.
- Assist students as required in the library and computer lab.
- Perform clerical tasks needed in library and computer lab.
- Provide library and computer lab security after normal work week hours.

Compensation: $7.25 per hour.

Application:
A complete application must include the following documentation: (1) A completed application form, (2) a statement from student outlining any relevant experience, and (3) two letters of reference from individuals qualified to evaluate your performance of the responsibilities.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/
Student Fellowship—Due March 13, 2017

Name (print) ____________________________________________

Date of Birth ________ Gender (M/F) ______ Social Security # (last 5 digits) ______________

School attending ___________________________ Level (Frosh, Soph., Graduate or Undergraduate) _____

Your current address at school: ____________________________________________

City _____ County _______ State ______ Zip Code_______ Phone# ______________

Your permanent address at home: ____________________________________________

City _____ County _______ State ______ Zip Code_______ Phone# ______________

Your email ___________________________________ Your cell phone # ______________________

Emergency Contact: ________________________________________________________

Contact’s relationship to you___________________________ Contact Phone# ______________

What skills do you have that would to this position?

List relevant courses/Experiences:

List Honors, Awards, Publications:

Have you participated in DISL summer courses before?

Courses you intend to enroll in while at DISL

Application Checklist:
1. A statement of intent
2. A transcript
3. Two letters of recommendation.
4. Documentation of need (by Financial Aid Office or Student Advisor)
5. A submission of this form.

APPLY ONLINE:
www.disl.org/university-programs/internships/fellowships-and-work-study-opportunities/

Return by mail, email or fax to: Regina Kollegger (rkollegger@disl.org), University Programs Registrar, DISL, Attn: Teaching Assistantships, 101 Bienville Blvd., Dauphin Island, AL 36528, 251/861-2141, ext. 7526, fax 251/861-7540 or 861-4646.
**Student Fellowship - Due March 13, 2017**

The Dauphin Island Sea Lab (DISL) may offer fellowships for the 2017 Summer Programs. Fellowships will be awarded on an academically competitive basis to applicants of demonstrated financial need who are enrolled at DISL member institutions. The Rita George Fellowship will be awarded to qualified students demonstrating exceptional financial need. The George F. Crozier Scholarship in Coastal Policy is available to students with demonstrated financial need who are interested in coastal zone policy and coastal zone management. Fellowships are available to both undergraduate and graduate students registered for a minimum of 4 semester hours per session at DISL and enrollment for a minimum of two summer sessions.

A complete fellowship application must include the following documents:

- A completed DISL Summer School application form
- A certified transcript
- A written statement by the student indicating career goals, the role of the DISL summer program in the student’s curriculum and the need for assistance.
- Documentation of need
  1. A letter from the campus Financial Aid Office is preferred. However, a statement by the student indicating how the student's college expenses have been covered and the efforts by the student to support college costs may be accepted
  2. Documented proof of need (tax returns)
- Two letters of recommendation providing an evaluation of the student's academic performance.
- GRE scores (graduate students). ACT/SAT scores (undergraduate students)

**Qualifications/Restrictions:** Applicants must be majoring or minoring in marine science or taking a concentration in marine science, depending on the structure of the particular campus program.

**Compensation:** Each fellowship will be awarded for up to 12 weeks with compensation varying from room and board (7-day meal ticket), lab fee and/or activity fee. However, the fellowship does not apply towards tuition costs, or additional fees/expenses for the travel costs associated with courses such as Biology and Conservation of Marine Turtles. Additional fellowships are provided by some DISL member schools. Consult your campus liaison officer for availability on your campus.

**DEADLINE FOR APPLICATIONS: March 13, 2017**
Dauphin Island Sea Lab
Facilities Map

1. Administrative Offices and Registration
2. Maintenance/Vehicle-Boat Yard
3. Albatross Hall (Apartments)
4. Laundromat
5. DHP Computer Lab/Classroom 5
6. Endeavor Hall (Class Rooms)
7. Basketball, Volleyball Courts
8. Discovery Hall (Class Rooms/Offices)
9. Horizon Hall (Class Rooms/Offices)
10. Galathea Hall (Class/Meeting Room)
11. Sea Pines
12. Swimming Pool
13. Mesocosm Facility
14. House 10
15. Cafeteria
16. Challenger Hall (Dormitory)
17. Beagle Hall (Dormitory)
18.1. Greeters House
18.2-9. Faculty Housing
19. Storage Building
20. Wiese Marine Science Hall
21. Husbandry Building

- OPEN TO THE PUBLIC

A. To the Water Tower and Audubon Sanctuary
B. To Fort Gaines
C. To Gulf Of Mexico Beach
D. To DISL Research Vessels

Severe Weather Shelter
Automated External Defibrilators
Research Experience for Undergraduates

Marine Science Fellowships

May 29-August 4, 2017

at Dauphin Island Sea Lab

Eight undergraduate fellowships

- Ecology of marine & estuarine invertebrates & fishes
- Marsh & seagrass ecology
- Microbial ecology
- Molecular biology & genetics
- Biogeochemistry
- Benthic ecology
- Trophic interactions
- Toxicology
- Plankton ecology
- Marine mammal ecology
- Physical oceanography

- Research experience with a faculty mentor
- Professional development
  - Field trips
  - On-site housing
  - Travel & food allowance
  - $5,000 stipend

Application deadline Feb. 10, 2017

Dauphin Island Sea Lab
101 Blenville Blvd
Dauphin Island, AL 36528
Phone: 251-861-2141
DISLREU@disl.org

Funded By:
The National Science Foundation Ocean Sciences
Research Experience For Undergraduates Program,
and the Dauphin Island Sea Lab.

Apply Today: www.disl.org/university-programs/reu

Under represented minorities, veterans, & non-traditional students encouraged to apply

Continuation of the 2017 DISL REU Program is dependent on funding from NSF, which will be determined in early 2017.