Statement of Purpose and Library Needs:

The Department of Integrative Biology (IB) was created in 2008, when the Department of Biology was divided into two separate departments. Since then, IB has seen an increase of more than 25% in its undergraduate student population and is now home to nearly 400 undergraduate students. Faculty members have been recognized by the University for their excellent and innovative undergraduate instruction. IB is a key player in the University's efforts to redesign courses for improved student learning, and is actively working to strengthen its curriculum in key areas such as marine biology and environmental biology. IB also is home to about 60 graduate students, attracting top notch students from across the nation and around the World to its graduate programs. Students completing the Master of Science and Doctor of Philosophy degrees are highly successful in obtaining post-doctoral and faculty positions, and careers with state and federal agencies and in consulting or other private enterprises.

IB's faculty members are engaged in research activities that involve, broadly, conservation biology, global change biology, freshwater biology and pollution, marine biology, biomechanics, disease biology, biogeochemistry, and evolutionary biology. Their research integrates our understanding of living things across all levels of organization, from cells to organisms to populations to landscapes. Faculty members form research partnerships with a variety of public and private organizations, including NSF, NASA, NOAA, USFWS, Walt Disney World, the Natural Water Research Institute, the San Diego Zoo, the Tampa Bay Estuary Program, and many others. IB typically receives $7-9 million in external research funding per year. IB research has been featured on NPR's "All Things Considered", the National Geographic Channel, the Discovery Channel, and the BBC; and in The New York Times, Science Magazine, and National Geographic. The Department of Integrative Biology is actively seeking to strengthen their already excellent faculty with new, high impact faculty members who can help the University achieve the lofty research goals it has set for itself.

Degree Concentrations

Environmental Biology: Students of environmental biology explore how regional groups of plants and animals live and interact with their environments. They also study the relationships of plants and animals within their species and with other species.

Integrative Animal Biology: This concentration focuses on the structure, function, behavior and evolution of animals.

Marine Biology: The concentration is structured around a majority of marine-related classes taught in the Department of Biology, Department of Geology, Department of Geography, and College of Marine Sciences. In addition to biology courses, students need thorough preparation in other natural sciences to be competitive for jobs or for further study. A modern biology curriculum is built on a strong foundation of mathematics, chemistry and physics. Students can choose from three different tracks within this specialization.

The Department of Integrative Biology is committed to train the next generation of graduate students to prepare them for professional success in the fields of biological sciences that mirror our faculty's expertise. The program of graduate study is designed to foster the development of technical and analytical skills used in existing and emerging fields of discovery. Increasingly, students are given opportunities to include an international experience in their research projects and also be involved in...
outreach activities. The research and training ongoing in the Department of Integrative Biology contributes to advancements in both basic science and applications to real world problems.

The Master of Science in Biology offers three areas of concentration: ecology and evolution, environmental and ecological microbiology, and physiology and morphology.

The Doctor of Philosophy in Biology offers three areas of concentration: ecology and evolution,

The library endeavors to develop and maintain a collection that will satisfy the need for resources that support the undergraduate and graduate curriculum in biology, as well as serve the more specialized demands from graduate students and faculty for advanced research materials.

I. Collection Guidelines

A. Area: Integrative Biology

B. Classes and Levels

<table>
<thead>
<tr>
<th>LC Class</th>
<th>Description</th>
<th>Current Collection</th>
<th>Collection Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>QH</td>
<td>Natural History. General Biology</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>QK</td>
<td>Botany</td>
<td>3c</td>
<td>3c</td>
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<tr>
<td>QL</td>
<td>Zoology</td>
<td>3c</td>
<td>4</td>
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<tr>
<td>QR</td>
<td>Microbiology</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>S</td>
<td>Agriculture</td>
<td>3c</td>
<td>3c</td>
</tr>
<tr>
<td>SB</td>
<td>Plant Culture</td>
<td>3c</td>
<td>3c</td>
</tr>
<tr>
<td>SD</td>
<td>Forestry</td>
<td>3c</td>
<td>3c</td>
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<tr>
<td>SF</td>
<td>Animal Culture</td>
<td>3c</td>
<td>3c</td>
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<tr>
<td>SH</td>
<td>Aquaculture, Fisheries. Angling</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>SK</td>
<td>Hunting Sports</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = Out of scope. The library does not collect
3a = Basic study or instructional support level. Supports lower division undergraduate courses.
3b = Intermediate study or instructional support level. Supports advance undergraduate course work, but not Master's degree programs.
3c = Advanced study or instructional support level. Supports Master's degree level program.
4 = Research level. Supports doctoral level programs and other original research.

C. Scope of Coverage:

1. Chronological Guidelines:
   Emphasis is on acquiring materials dealing with current research in biology; items dealing with older research are acquired selectively, generally through gifts and donations.
2. Geographical Guidelines:

Geographic coverage is concentrated on Southeastern United States, Gulf Coast, Mexico, Central and South America and Caribbean areas. Geographic limits governing the selection of materials in this discipline are foreign and Western, Pacific, and Mountain region of the western United States.

3. Date of Publication Guidelines:

Emphasis is placed on the acquisition of current imprints. Older imprints are acquired selectively according to specified collection intensity levels.

4. Languages:

English is the primary language of the collection. Current research in Biology focuses on Mexico, Central and South America, and Caribbean areas so Spanish language materials are acquired, if an English translation is not available. Other languages will be acquired selectively.

D. Types of Materials Collected:

1. Treatment of Subject

Emphasis is on maintaining a robust selection of journals in biology and developing a strong research monographic collection representing the important trade, university and professional presses. Conference proceedings, technical reports, dissertations, reference works, and graduate and advanced undergraduate texts are acquired selectively. Audio-visual materials and datasets are acquired selectively.

2. Format

Journals are collected in electronic format, print, or microfiche. Full text electronic journals are preferred over other formats. Monographs are primarily collected in electronic format. Print monographs will be purchased if the electronic format is not available or if a request specifically asks for the title in print.

Audiovisual presentations on laboratory procedures and field operations may be selected for purchase. The same holds true for specialized datasets, with the understanding that these resources become the permanent property of the library with no restrictions on who may use them.

II. Acquisitions Strategy

The Collection Development Librarian assigned to the Department of Integrative Biology works in partnership with the departmental faculty to select materials for the collection. The library participates in a patron-driven acquisitions program that provides access to eBooks from most of the trade and professional presses that are of interest to the department. Titles are accessible through the online catalog for short-term loan or auto-purchase (depending upon the number of times the titles are loaned). Other titles, not covered by the PDA program, can be ordered by submitting a request to Acquisitions. Retrospective purchases are done at faculty request or to replace items lost through theft and damage.
New journal titles may be ordered by canceling current subscriptions in the same subject area. Full text electronic journals are preferred over other formats. Electronic backfiles of journals may be ordered, when the need can be documented, and if funding is available.

The library occasionally receives donations of new and used materials, in all formats, from various sources, including faculty, students, and community members. These materials may be accepted for consideration for possible inclusion in the general collection by the USF Tampa Library’s Academic Resources Collection Management Section. Materials are accepted with the understanding that all items received will be reviewed by Collection Development librarians, who will make a determination regarding the suitability for addition to the existing research collections.

III. Collection Notes

These general collection notes apply to materials within the call number areas that are included in I. Collection Areas  
B. Classes and Levels

- Advanced undergraduate and graduate level textbooks are acquired selectively.
- Theses and dissertations from other institutions are generally not collected unless the faculty specifically request them.
- For titles of strictly U.S. local or regional interest, the library acquires books pertaining to Florida. Notification slips are sent for the other southeastern states (Alabama, Arkansas, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia). Areas outside of the southeastern region are acquired selectively.
- Popular items are excluded, unless they pertain to the natural history of Florida.
- Clinical, medical, and human aspects in all call number areas are acquired selectively, when needed.

February 2004  
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Cheryl McCoy, Coordinator of Collections