Collection Development Policy
Biology

Spring 2004

Statement of Purpose:

The Department of Biology offers academic programs and research opportunities in the field of biology to 1800 undergraduate students and over 100 graduate students. Faculty research and graduate training programs span a wide array of biological disciplines and provide opportunities for interactions with scientists at the USF Medical School, Moffit Cancer Center, Mote Marine Laboratory, Archbold Research Station, Keys Marine Laboratory and the College of Marine Science.

The Undergraduate program of the Department of Biology offers quality education in the study of life and living organisms in relation to their structure, function, growth, origin, evolution, and distribution. Two specific Bachelor of Science degrees, Biology and Microbiology, are available for students interested in the biological sciences. The B.S. in Biology allows students to concentrate in such areas as Ecology and Conservation, Cell & Molecular Biology, Anatomy & Physiology, Plant Science, and Marine Biology. The degree is preparatory for careers in such areas as teaching, agriculture, medicine, dentistry, conservation, and biotechnology, or for post-baccalaureate study in the various life sciences. The B.S. in Microbiology provides students with the broad range of courses necessary to qualify for certification by the National Registry of Microbiologists, American Society of Microbiology, and employment in microbiology and related fields.

In addition to the study of a core curriculum in biological science, students completing degrees in biology also take course work in the following disciplines: general and organic chemistry, biochemistry, statistics, calculus, and physics.

The Department of Biology offers excellent graduate research training in three general research areas: Conservation Biology, Coastal Marine Biology and Molecular-Cellular Biology. The Graduate Program in the Department of Biology leads to a Ph.D. in Biology or an M.S. degree in Biology or Microbiology.

The research expertise of the Department of Biology faculty covers a wide array of disciplines. Specific research and development activities within the Department include:


SYSTEMATICS

CONSERVATION BIOLOGY - Conservation Ecology and Conservation Genetics

EVOLUTION - Molecular Evolution

PHYSIOLOGY - Neuroscience and Cellular Physiology

ZOOLOGY - Herpetology, Functional Morphology, and Biomechanics

GENETICS - Molecular Evolutionary Genetics and Genomics
MICROBIOLOGY - Applied & Environmental Microbiology, Pathogenic Microbiology, and Physiological Microbial Ecology

CELL AND MOLECULAR BIOLOGY - Reproductive Biology, Developmental Biology, and Environmental Molecular Toxicology

BIOCHEMISTRY

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: 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>
</tr>
<tr>
<td>QL</td>
<td>Zoology</td>
<td>3c</td>
<td>4</td>
</tr>
<tr>
<td>QM</td>
<td>Human Anatomy</td>
<td>3a</td>
<td>3a</td>
</tr>
<tr>
<td>QP</td>
<td>Physiology</td>
<td>3c</td>
<td>4</td>
</tr>
<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>
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<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>
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</tbody>
</table>

C. 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.
3c = Advanced Study or Instructional Support Level
4 = Research level. Supports doctoral level programs and other original research.

D. 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.

E. **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. Audiovisual materials and datasets are acquired selectively.

2. **Format**

Print resources prevail, although an increasing number of current imprints are available electronically, or accompanied by diskettes or CD-ROMs. Full-text electronic journals are continuously added to the USF Libraries Website. These are acquired through package arrangements with publishers, or through electronic upgrades of current subscriptions. (Note: Cancellation of a print subscription for which there is an electronic, full-text equivalent is encouraged and will follow the guidelines set forth in the document Selection of Resources for the USF Libraries Website.) 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**

Biology materials are selected by the Collection Development Librarian assigned to the department, with priority given to faculty requests. The library maintains a well-established approval plan for most trade, university, and professional presses of interest to the department, and has current subscriptions to many journals.

Retrospective purchases are done at faculty request or to replace items lost through theft
and damage. Since funding is very limited for new subscriptions, access to articles in journals that are not owned by the library is routinely handled through fee-based document delivery services and inter-library loan. The library encourages faculty to periodically review their journal subscriptions and to cancel titles that are no longer of interest or value. The library occasionally receives donations of biology journals and monographs from faculty and the community. When it is appropriate to do so, donated materials are added to the collection.

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.

These collection notes apply only to materials within the specific call number ranges that are indicated:

- **QH Natural History (General). Biology (General)**
  These subject areas within the QH call number ranges are acquired selectively:
  - Materials pertaining to foreign environmental issues.
  - Materials about the Western, Pacific, and Mountain regions of the United States.
  - *QH 1-83 - General biology.*
  - *QH 705 - Economic biology.*

- **QK Botany**
  These subject areas within the QK call number ranges are acquired selectively:
  - Books from areas of the world outside of the U.S. Mexico, Central American, South American, and Caribbean areas.
  - Books on foreign environmental issues.
  - Materials about the Western, Pacific, and Mountain regions of the United States.

- **QL Zoology**
  These subject areas within the QL call number ranges are acquired selectively:
  - Books from areas of the world outside of the U.S. Mexico, Central American,
South American, and Caribbean areas.
- Books on foreign environmental issues.
- Materials about the Western, Pacific, and Mountain regions of the United States.
- QL 671 - 699 - Birds from foreign geographic regions.

- **QM Human Anatomy**
  - All materials on human anatomy are acquired selectively.

- **QP Physiology**
  - Clinical, medical, human aspects are acquired selectively for all areas of human physiology.
  - Restriction does not apply to QP 360 - Neuropsychology.

- **QR Microbiology**
  - Lab manuals are acquired, overriding format restrictions
  - Books with a list price of over $200 are acquired selectively

- **S Agriculture**
  These subject areas within the S call number ranges are acquired selectively:
  - S 530 - 589.6 - Agricultural education, research and experimentation, exhibitions, farm management, marketing, and agricultural chemistry and physics.
  - S600 - 604 - Agricultural economics.
  - S631 - 760 - Fertilizers, farm machinery, and farm engineering.

- **SB Plant Culture**
  These subject areas within the SB call number ranges are acquired selectively:
  - Books on practical aspects of plant culture.
  - SB 113 - 317.4 - Seeds, nurseries, propagation, and crops.
  - SB 320 - 402 - Vegetables and fruits.
  - SB 449 - 485 - Flower arranging, gardens, and parks. Restriction does not apply to SB469 - 476 - Landscape Architecture.

- **SD Forestry**
  These subject areas within the SD call number ranges are acquired selectively:
  - SD 388 - 409 - Books on forest machinery and engineering, and sylviculture.
  - SD 561+ - Books on forest administration.
- **SF Animal Culture**
  - All books on animal culture are acquired selectively.
    Restriction does not apply to SF 997.5. R4 - Reptiles.

- **SK Hunting Sports**
  - All books on hunting sports are excluded.
    Exclusion does not apply to SK 351+ - Wildlife management and recreation.

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Revised by Cheryl McCoy

2/4/04