

# BIOLOGY

## COLLECTION DEVELOPMENT POLICY STATEMENT

### I. PURPOSE AND PROGRAM DESCRIPTION

#### A. Library Collection Development Objective

The library seeks to support the Biology Bachelor and Master of Science degree curriculum programs and the research work of the Biology Department faculty. The Biology Department teaches courses and conducts research work in a wide range of sub-disciplines involving ecology/field biology, organismal biology, cellular/molecular biology and neurobiology.

#### B. Description of User Groups Supported

The user groups supported include undergraduate students, graduate students, and the faculty.

The following is a summary list of user population changes as of 2006.

The faculty number (full-time) increased from 22 to 24 presently, with the addition of two new positions. The additional faculty positions have enabled a greater emphasis on research work and other scholarly activities by faculty complimenting teaching responsibilities.

Increased number of biology majors and allied health majors (from 550 to over 1,000). Increased emphasis on graduate level research as required by Master degree program started in the Fall, 2005.

Anticipate a steady annual increase of 8% in the number of Biology majors over the next years. Factors influencing this trend are continued growth in demand by individuals wishing to pursue careers in Physical Therapy or as a Physician Assistant, and the continued attraction of biology majors due to the Hugh C. Bailey Science Center as completed and recently opened in 2001, providing state-of-the-art teaching facilities.

#### C. New and Expanding Areas of Interest

Expanding research programs in all areas of Biology with special emphasis in the following major areas and sub-disciplines in parentheses: Botany (Weed Science, Floristic Botany, Plant Physiology, Phycology); Cellular and Molecular Biology (Molecular Genetics, Immunology, Cytometry, Plant Physiology, and Plant Pathology); Microbial Biology

(Microbial Ecology, Plant Pathology, Medical Microbiology, and Virology), Ecology/Field Biology/Environmental Science (Community Ecology, Wetlands/Aquatic Biology, Conservation Biology, Applied Ecology, and Animal Behavior), Genetics (Quantitative/Population, Molecular), Evolution, Reproductive Biology, Space Biology, Taxonomy, and Neuroscience.

D. Areas of Established Specialization

Botany (Systematics, Floristic, Plant Morphology and Physiology and Herbarium Science); Cellular and Molecular or Cancer Biology; Genetics, both Classical and Population; Ecology/Field Biology (Aquatic Biology/Animal Behavior); Microbial Biology; Taxonomy (Vascular Plants, Mycology, Phycology, Entomology, Invertebrates, Vertebrates); Zoology (Invertebrate and Vertebrate); Physiology (Cellular, Plant, and Animal); and Neurobiology.

**II. TREATMENT OF SUBJECT DEPTH**

A. Treatment of Subject Depth

The library will collect materials in the following subject areas at varying levels, including the Basic Information Level, Introductory (2A) to the Research Level (4).

<b>SUBJECT SUBDIVISIONS</b>	<b>COLLECTING LEVEL</b>
Aquatic Sciences - Fresh Water Biology	4
Aquatic Sciences - Limnology	2A
Aquatic Sciences - Wetlands Biology	3B
Anatomy	2B
Animal Behavior	3C
Bacteriology	4
Biology	3B
Biology Education	3
Biochemistry	4
Biochemistry – Medical	2B
Biometry	2B
Botany	3A
Botany – Anatomy & Morphology	3C
Botany – Angiosperm Biology	4
Botany – Classification	4

Botany – Ecology	3C
Botany – Economic	2B
Cell Biology	3C
Cell Biology – Cytology	2B
Cell Biology – Cytometry	2B
Cell Biology – Physiology	3C
Ecology	4
Ecology – Conservation Biology	3C
Embryology	3A
Entomology	3A
Evolution	3C
Genetics	4
Genetics – Molecular	4
Histology	1B
Human Biology	2B
Human Biology – Anatomy	3A
Human Biology – Physiology	3A
Immunology	2B
Invertebrate Biology	3B
Invertebrate Biology – Marine Invertebrates	3B
Microbiology	4
Microbiology – Ecology	2B
Microbiology – Medical	4
Mycology	2B
Parasitology	3C
Phycology	3C
Physiology – Vertebrate	3C
Plant Pathology	2B
Plant Physiology	4
Space Biology	1A
Vertebrate Biology	3B
Vertebrate Biology – Herpetology	4
Vertebrate Biology – Ichthyology	4
Vertebrate Biology – Mammalogy	3C
Vertebrate Biology – Ornithology	3B
Virology	3C
Zoology	3C

## B. Specific Delimitations

**Formats collected:** Periodicals, reference tools, and textbooks extensively; audiovisual, dissertations, electronic, maps, microformat, and monographs selectively.

**Imprint dates collected:** Not applicable to Biology

**Chronological focus:** Not applicable to Biology

**Languages collected:** English extensively, any other selectively.

**Places of publication:** North America and Western Europe extensively, all other countries selectively.