Biological Sciences

Purpose: To support teaching and research through the doctoral level in the biological sciences. The departments or programs most closely associated with this area are: Microbiology, Biology, Biochemistry and Biophysics, Institute of Biological Chemistry, and Genetics and Cell Biology. Other programs or departments which might find certain aspects of this area of great interest are: Basic Medical Sciences; Botany; Electron Microscopy Center; Pharmacy and Pharmacology/Toxicology; Veterinary and Comparative Anatomy, Pharmacology, and Physiology; Veterinary Microbiology and Pathology; Animal Sciences; Entomology; Zoology; and Plant Pathology. Materials collected in this area also support programs at the branch campuses.

General Collection Guidelines:

Languages: English is the primary language of collection, but materials written in French, German, Italian, and Russian may also be acquired. Translations into English are preferred over the original, if they are available.

Chronological Guidelines: Emphasis is on the present. Works of a specific historical nature may be selectively acquired.

Geographical Guidelines: Not applicable.

Treatment of the Subject: Lower division textbooks and laboratory manuals are not generally purchased. Upper division texts are purchased selectively. Material of a biographical nature and popular or introductory works may be purchased selectively.

Types of Material: Material collected consists primarily of monographic and serial publications, and includes dictionaries, encyclopedias, directories, abstracts and indexes, handbooks, federal and state government documents, and proceedings or transactions of symposia or conferences in any suitable format.

Date of Publication: Emphasis is on collecting materials published within the last 5-10 years. Retrospective acquisition is done very selectively to replace missing or damaged items still of great relevance to the collection or to strengthen a developing research area. However, no preference is given to original printings over reprints.

Other General Considerations: See the following for subjects not covered by this statement: Veterinary Medicine/ Veterinary Science, pharmacy and pharmacology/toxicology, agriculture, plant sciences, nutrition, medicine, animal sciences, entomology.

Observations and Qualifications by Subject with Collection Level:

Biology: C(1) / B

Includes molecular biology, cell biology, cytology, biometrics, microscopy.

Methods/techniques of biological research: C(1) / B

Microbial and Molecular Biology: C(1) / B

Includes soil microbiology, microbial ecology, microbial diseases of insects, cellular immunology, viral-host relationships, virology, microbiology of foods, epidemiology, bacteria, microbial metabolism, microbial physiology, medical bacteriology, molecular embryology, mammalian cell surface receptors.

Genetics and Cell Biology: C(1) / B

Genetic engineering, cell biology, microbial genetics, molecular genetics, population genetics, animal genetics, cytogenetics, quantitative genetics, mutation, recombination.

Human Genetics: C(2) / C(2)

See also:

Medicine

Biotechnology: C(1) / B

Mammalian Neuroscience: C(2) / B

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