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Entomology Collection Development Policy

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University Libraries, University of Nebraska-Lincoln
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I. GENERAL ACADEMIC PROGRAM INFORMATION

The Entomology collection supports the teaching, research and service activities of the entire university community. Its primary audience is the faculty, staff, and students of the Entomology department in the College of Agricultural Sciences and Natural Resources and the Institute of Agriculture and Natural Resources. The collection's primary focus is support for the undergraduate and graduate curricula for entomology. Specific and transient research needs of Entomology faculty and graduate students are supplemented through Interlibrary Loan. Materials are not purchased for the general public though they may benefit from the collection for their information needs.

Department of Entomology

Entomology, the scientific study of insects, was among the earliest areas of study at UNL. The first graduate degree awarded, in 1896, was a Masters degree with a major in Geology and minor in Entomology. First established as the Department of Entomology and Ornithology in 1895, up until 1950, taxonomic and systematic studies were the most common subjects for advanced degrees. Entomology encompasses the agricultural, biological, and environmental sciences related to insects and their interactions with humans. Insects and their relatives are the most abundant animals on earth, are commonly found in all habitats, and are essential in maintaining our ecosystem. The Department of Entomology is part of the Institute of Agriculture and Natural Resources, and is involved in research, teaching, and extension arenas. Department faculty members are internationally recognized and work in both applied and basic entomology.

The Department of Entomology offers resident B.S., M.S. and Ph.D. programs and distance M.S. programs. Undergraduate degree programs are available in Applied Science, Insect Science, and Forensic Science. Options are available in: Integrated Pest Management (IPM) and Pest Science; Science; Public Health; and Forensic Entomology. An Insect Science minor is also available. Certificate programs are offered in three focus areas: Entomology in Education; Forensic Entomology/Public Health Focus; or Integrated Pest Management in Entomology. Those courses are fully transferable to the M.S. program. The M.S. in Entomology includes the choices of Option I (Thesis), Option II (Research other than Thesis), or Option III (Pre-Doctoral Program). The doctoral program offers over a dozen different areas of study or specialization in Environmental Studies.

A list of current department program research areas give an indication of the overlapping areas with which Entomology is involved: Biological Control; Field Crops Entomology; Forensic Science; Horticultural Entomology; Insect Ecology; Insect Genetics; Insect Pest Management; Insect Systematics; Insecticide/ Environmental Toxicology; Plant-Insect Interactions; Plant Resistance to Insects; Urban Entomology; and Veterinary Entomology. Research is conducted in university labs, utilizing the collections of the University of Nebraska State Museum, and in the field utilizing four Research and Extension Centers located throughout Nebraska. The department and faculty also have collaborative relationships with both domestic and international scientists and educators.

II. GEOGRAPHICAL COVERAGE

Collection development is concentrated on the Great Plains, however insect populations exist in all parts of the world. Thus, general works on entomology worldwide are also purchased to support international students, international research and extension projects conducted by faculty.

III. CHRONOLOGICAL COVERAGE

There are no chronological limitations.

IV. IMPRINT DATE

Emphasis is on current material.

V. FORMAT/TYPE AND INTENSITY LEVEL

Both print and electronic resources are purchased as well as online books and some videos. Electronic formats are preferred for current periodicals. For monographic works, the format choice is based primarily on price. Electronic formats are preferred for works that will be utilized on both campuses and those that support distance education or extension programs.

VI. LANGUAGES

English is the preferred language of publication for resources at all levels of collection intensity. Translations are preferred to non-English materials. Materials in other languages are acquired in response to specific requests.

VII. SPECIAL FACTORS

All materials published by the Entomological Society of America, as well as most other major entomological societies throughout the world, are acquired.

VII. ELECTRONIC DATABASES

The University Libraries has acquired a number of electronic databases, including some full-text, which support Entomology and related areas, including: AGRICOLA, Biological Abstracts,

CAB Abstracts, Medline, Water Resources Abstracts, Web of Science, and Zoological Record, all of which are interdisciplinary databases. These databases greatly enhance the research capability and provide convenient and timely access to various resources.

VIII. CLASSIFICATION AND INTENSITY LEVELS

(The following are listed by LC Class, Subject and then by Intensity Level)

QH 359-390 Evolution STUDY
QH 426- 499 Genetics STUDY
QH 540-549 Ecology RESEARCH
QH 573-705 Cytology BASIC
QL 1-394 Zoology BASIC
QL 434-459 Arthropoda RESEARCH
QL 461-599 Insects RESEARCH
QL 757 Parasitology BASIC
QL 799 Morphology BASIC
QL 801-991 Anatomy and Embryology BASIC
QP 501-801 Animal biochemistry STUDY
QR 1-500 Microbiology STUDY
RA639.5 Transmission of disease Insects STUDY
RA1063.45 Forensic entomology RESEARCH
SB 599-618 Pests and diseases RESEARCH
SB 818-945 Economic entomology RESEARCH
SF 521-539 Bees STUDY
SF 541-562 Silk culture MINIMAL