

Collection Development Policy

Animal Science

I. General Purpose

The Department of Animal Science offers the B.S. degree in animal science and in dairy science. M.S. and Ph.D. degrees are offered with majors in animal breeding and genetics, animal nutrition, animal physiology, meat science, and also animal science, for students seeking a broader focus in the discipline.

Animal Science at Iowa State University encompasses dairy, beef, sheep, swine, horses, poultry, other domestic animals, and meat science. Extension programs and services include Beef, Dairy, Equine, Sheep, and Swine.

Library collection emphasis is on the subject areas specified above.

II. History

Animal Science (formerly Animal Husbandry) has been an important part of the university for more than a century. The department was renamed Animal Science in 1962. The ISU Meat Laboratory opened in 1977. The department has been involved in the ISU Experiment Station and in Cooperative Extension since their beginnings. From 1904 to 1995 well over 6,000 B.S. degrees were granted; from 1896 to 1995 there were 862 M.S. and 471 Ph.D. degrees awarded. The department is a part of the College of Agriculture.

A published departmental history is available: *A Heritage of Leadership: Iowa State University Department of Animal Science, a Story of the First 100 Years*, by R.L. Willham, the Department, 1996.

III. Iowa State University Program

The department offers the B.S. degree in animal science, B.S. in dairy science, and an undergraduate minor in animal science.

M.S. and Ph.D. degrees are offered with majors in animal breeding and genetics (quantitative and molecular genetics, immunogenetics, bioinformatics); animal nutrition (ruminant and monogastric species), animal physiology (with specialization in reproductive physiology or muscle biology); meat science (meat processing, food safety and security); and animal science. The graduate major in animal science is more broadly focused, with study in breeding, nutrition, physiology, reproduction, and meat science, and emphasis on one of the livestock species. Minor work is offered in these areas to students taking their major work in other departments.

In addition, Animal Science cooperates in these interdepartmental graduate major programs: bioinformatics and computational biology; genetics (interdisciplinary); immunobiology; microbiology; molecular, cellular, and developmental biology; neuroscience; professional agriculture (off-campus program); sustainable agriculture; and toxicology.

Centers and programs affiliated with Animal Science include the Beef Teaching Center, Center for Designing Foods to Improve Nutrition, Center for Integrated Animal Genomics, Dairy Records Management System, Food Safety Consortium, Iowa Beef Center, Iowa Manure Management Action Group, Iowa Pork Industry Center, ISU Meat Laboratory, and U.S. Pig Genome Project.

IV. Subject Boundaries

The discipline of animal science (animal culture) is fairly well contained within the SF1-SF597 LC call number range. Meat science will appear in TS and TX as well as SF, and topics dealing with animal physiology in general can be found in QL and QP.

Important and useful new books within SF1-SF597 on animal nutrition and breeding, animal health, livestock, poultry, horses, and other animals, will occasionally be selected for both Parks Library and the Vet Med Library.

Materials on dogs, cats and other pets, including specific breeds, are in SF409-SF459 and are often selected for the Veterinary Medical Library; some titles will also be selected for Animal Science.

Beneficial and other insects, insect rearing, and bee culture, SF517-SF597, are typically collected as needed for Entomology rather than Animal Science.

SF600-SF1100 covers the medical aspects of domestic animals and this literature is selected primarily for the ISU Veterinary Medical Library.

Animal ecology, in contrast to the domesticated species and breeds of animal science, deals with wildlife and fish, and is mainly in QH, QL, SH, and SK.

V. General Collection Guidelines

A. Linguistic

Primarily English language materials; other languages occasionally as needed and requested.

B. Geographical Areas

Animal science publications not limited by geography.

C. Types of Materials Collected

Books, journals and other serials, conference proceedings, government publications. Both undergraduate and graduate textbooks are considered. A few popular level books for a general audience are selected on raising livestock, poultry, horses, animal pets.

D. Format of Materials Collected

Primarily print format for books; some CD-ROM, DVD, and e-books may be selected as requested or needed. Web access to full-text journals is desirable. A highly selective, annotated list of links to free-access animal science Web resources is made available from the ISU e-Library.

VI. Specific Collection Guidelines

Animal Science

Collect to support degree programs B.S. through Ph.D., and for departmental research needs. Includes species and breeds of livestock, poultry, horses, and other domestic animals.

Dairy Science

Collect for undergraduate B.S. program and any departmental research needs.

Animal breeding and genetics, animal nutrition, animal physiology, meat science, and related areas

Collect for M.S. and Ph.D. programs and to support departmental research, much of which is focused in these particular subject areas of animal science.

VII. Detailed Subject Areas

Animal culture in general, nutrition, feeds and feeding, breeding and breeds, housing and environment, shows and exhibitions. Working animals, cattle, horses, sheep, swine, fur-bearing and laboratory animals, pets, birds and poultry. Meat science.

VIII. Other Resources Available

The ISU Veterinary Medical Library covers in depth the literature of health and disease of domestic animals, including livestock, horses, poultry, and pets (dogs, cats, birds, exotics, etc.).

IX. Cross-References to Collection Policies

X. Creation Date

June 2000
William H. Wiese

XI. Revision History

Revised April, 2005
William H. Wiese

XII. LC Classes

SF1-SF597

XIII. Bibliographer Name

William H. Wiese