



Swine Science 4 Year Colleges & Institutions

This document provides a listing of 4-year institutions that offer swine science courses within their Animal Science curricula. This provides a listing of the institution, swine courses offered, course descriptions, instructor contact information and a link to the institution's Animal Science department for more information.

Click on the university names on the first page to access the information.

Cal Poly State	University of California-Davis
Clemson University	University of Delaware
Colorado State University	University of Georgia
Illinois State University	University of Illinois
Iowa State University	University of Kentucky
Kansas State University	University of Minnesota
Michigan State University	University of Missouri
Mississippi State University	University of Nebraska
North Carolina State University	University of Tennessee
Ohio State University	University of Tennessee- Martin
Oklahoma State University	University of Wisconsin - River Falls
Penn State University	University of Wisconsin
Purdue University	Utah State University
South Dakota State University	Virginia Tech
Southern IL-Carbondale	Washington State University
Texas A & M University	
Texas Tech University	
University of Arkansas	

Cal Poly State University

Course Description:

ASCI 222 Systems of Swine Production (4)

Structure of the pork industry in the U.S.; production standards and new technologies; breed systems. Market classification, product quality and quality assurance. Swine behavior and husbandry systems; biosecurity, health and feeding systems and management. 3 lectures, 1 laboratory.

Prerequisite: ASCI 112. Course offered fall, winter, and spring quarters.

Contact:

L. Allen Pettey

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(805) 756-6337

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<http://animalscience.calpoly.edu/>

Clemson University

Course Description:

AVS 206 Swine Techniques 2(1,2)

Examines the basic principles in the techniques and management associated with production of swine. Preq: AVS 150, 151.

AVS 408, H408, 608 Pork Production 4(3,2)

Breeding, feeding, grading, marketing, and management of swine are studied. Practical applications from all phases of the production cycle are outlined in problem form to develop students' problem-solving abilities. Preq: AVS 202, 370.

Contact:

Brian Bolt

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bolt@clemson.edu

Phone:

(864) 656-5165

Website:

<http://www.clemson.edu/avs/undergraduate/curricula.html>

Colorado State University

Course Description:

ANEQ 474 03(2-2-0). Swine Systems.

S. Prerequisite: Senior status. Production of purebred and commercial swine; breeds, breeding, feeding, marketing, and management.

Contact:

Brett Kaysen

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Phone:

(970) 491-1427

Website:

<http://ansci.colostate.edu/>

Illinois State University

Course Description:

AGR-276 Swine Management

Description: Breeds, care, and management of breeding herd; care and feeding of swine, selecting swine for breeding and marketing. Lecture and lab. Prerequisites: AGR 170. Credit Hours: 3.0 hours

AGR-381.03 Livestock Industry:Swine

Description: Basic principles and commercial practices involved in swine management. Lecture and lab. Not for credit if had AGR 276.

Prerequisites: AGR 170, 173.01, 173.02, 272, 275, 282, 283, 286, 380 or concurrent registration or consent of instructor. Credit Hours: 2.0 hours

Contact:

Johnathan Holt

Email:

jholt2@ilstu.edu

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(309) 438- 3269

Website:

<http://www.agriculture.ilstu.edu/>

Iowa State University

Course Descriptions:

An S 225. Swine Science. (2-2) Cr. 3. F.S. Prereq: 101, 114.

Introduction to principles, practices and decisions necessary when raising swine through the vertically integrated production cycle.

An S 425. Swine Systems Management. (2-2)

Cr. 3. F.S. Prereq: 225, 270, 319, 331, 352; Econ 330 or equivalent recommended.

Decisions facing the administrator of a swine enterprise. Financial and production goal identification, problem clarification, and resource allocation to manage the swine enterprise. Computer aided study. Nonmajor graduate credit.

Contact:

Tom Baas
tjbaas@iastate.edu

(515) 294-6728

or

Mark Honeyman
honeyman@iastate.edu

(515) 294-4621

Website:

<http://www.ans.iastate.edu/>

Kansas State University

Course Description:

ASI 535 - Swine Science; Credits: (3)

Application of basic scientific principles to the economical production of pork. Recommendations are made in breeding, reproduction, nutrition, health, housing, marketing, and management of swine production units of varying sizes.

Recommended pr.: Senior standing

When Offered

I, II

Contact:

Bob Goodband

Email:

bgoodban@oznet.ksu.edu

Phone:

(785) 532- 1228

Website:

<http://www.asi.ksu.edu/DesktopDefault.aspx>

Michigan State University

Course Description:

ANS 272 Introductory Swine Management

Credits: 3

Swine production principles, practices, technologies, and systems. Field Trips required.

ANS 472 Advanced Swine Management

Credits: 3

Restrictions: Not open to freshmen or sophomores.

Management techniques for operating a swine herd. Management of reproduction and nutrition, records, and general herd health. Integration of husbandry and business principles for decision making. Field Trips required.

Contact:

Dale Rozeboom

Email:

rozeboom@msu.edu

Phone:

(517) 355-8398

Website:

<http://www.canr.msu.edu/dept/ans/index.html>

Mississippi State University

Course Description:

ADS 4113 Swine Science Fall semester. (Prerequisites: ADS 1114). Three hours lecture. Feeding, management, breeding, production, and marketing of swine.

Contact:

Mark Crenshaw

Email:

mcrenshaw@ads.msstate.edu

Phone:

(662) 325-3515

Website:

<http://www.ads.msstate.edu/index.html>

North Carolina State University

Course Descriptions:

ANS 403 Swine Management

UNITS: 3 - Offered in Fall

Prerequisite: ANS 150 and Junior standing

Management principles associated with swine production. Emphasis on interactions of health, equipment, nutrition, reproduction and genetics during nursery, finishing, farrowing and breeding phases of production. Waste management practices and alternatives, development of marketing strategies and economic evaluation of management practices.

Contact:

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(919) 515-4003

Website:

http://www.cals.ncsu.edu/an_sci/home/home.html

Ohio State University- Columbus

Course Description:

ANIMSCI 543 - Swine Production

The application of science and basic principles of nutrition, physiology, genetics, health, economics, meats, and housing in integrated management systems for modern swine production.

Au Qtr. 5 credits,3, 48min lectures 1, 3-hr lab. Prereq: 310 and 320 and 330.

Contact:

Steve Moeller

Email:

moeller.29@osu.edu

Phone:

(614) 688-3686

Website:

<http://www.ag.ohio-state.edu/~ansci/>

Oklahoma State University

Course Description:

ANSI 4643- Swine Science

Lab 2. Prerequisite(s): 3433, 3443 and 3653. Application of genetic, physiological, microbiological, nutritional, and engineering principles to the efficient production of swine.

Contact:

Scott Carter

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(405) 744-8869

Website:

<http://www.ansi.okstate.edu/>

Penn State University

Course Description:

AN SC 306 -Swine Production and Management (3)

Application of the principles of enterprise and facility development, operations management, quality control, public relations, marketing for the efficient operation of a swine production business.

AN SC 497F Advanced Swine Production (2)

An on-line course to provide the student with an in depth exposure to one or more aspects of swine production.

Contact:

Kenneth Kephart

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kbk2@psu.edu

Phone:

(814) 863-3671

Website:

<http://www.das.psu.edu/>

Purdue University

Course Description:

ANSC 44300 - Swine Management

Breeding, feeding, and management practices essential for commercial swine production, including performance testing. Credit Hours: 3.00.

Contact:

Allan Schinckel

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Phone:

(765) 494-4836

Website:

<http://www.ag.purdue.edu/ansc/Pages/default.aspx>

South Dakota State University

Course Description:

AS 478 - Swine Production

Credits: 3 Feeding, breeding and management principles for swine production. Breeds, production trends and equipment. Student participation in management techniques. Prerequisites: P, AS 101, AS 233. Corequisites: Corequisite course AS 478L.

Contact:

Chris Hostetler

Email:

Chris.Hostetler@SDSTATE.EDU

Phone:

(605) 688-5011

Website:

<http://www3.sdstate.edu/Academics/CollegeOfAgricultureAndBiologicalSciences/AnimalandRangeScience/Index.cfm>

Southern Illinois- Carbondale

Course Description:

ANS 123D - Livestock Practicum: Swine.

Provides students with limited previous livestock experience an opportunity to participate in the routine care and management procedures at one of the University's livestock centers.

ANS 465 Swine Management:

Swine production systems and management techniques including breeding and selection, reproduction, nutrition, herd health and disease prevention, housing and waste management, marketing production and enterprise analysis. Field trip. Prerequisites: ANS 315, 332 or consent of instructor. 4- credits.

Contact:

Gary Apgar

Email:

pigguy@siu.edu

Phone:

(618) 453-1765

Website:

http://coas.siu.edu/default2.asp?active_page_id=112

Texas A & M University

Course Description:

412. Swine Production and Management. (3-2). Credit 4. I

Basic principles and their practical application in efficient, economical pork production; all areas of production—breeding and selection, nutrition, housing and equipment, marketing, herd health and economic management. Prerequisites: ANSC 318 or registration therein for animal science majors; ANSC 320 or registration therein for non-animal science majors.

Contact:

Darrel Knabe

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Phone:

(979) 845-1816

Website:

<http://animalscience.tamu.edu/>

Texas Tech University

Course Description:

4401. Swine Production (4:3:2).

Prerequisite: ANSC 3307, 3401, 3402 (majors only) or consent of instructor; may take only one of the above concurrently. Understanding pig biology, management of the pig's environment and genetics to maximize profits. Include genetics, nutrition, reproduction, housing, herd health, and management practices. Laboratory and field trips. F. (Writing Intensive)

Contact:

John McGlone

Email:

jmcglone@ttu.edu

Phone:

(806) 742-2826

Website:

<http://www.depts.ttu.edu/afs/>

University of Arkansas

Course Description:

ANSC4262 Swine Production (Even years, Fa) Methods in producing purebred and commercial swine with specific emphasis on the management programs needed for profitable pork production in Arkansas. Lecture 1 hour, laboratory 2 hours per week. Corequisite: Lab component. Prerequisite: ANSC 3133.

Contact:

Charles Maxwell

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cmaxwell@uark.edu

Phone:

(479) 575-2111

Website:

<http://animalscience.uark.edu/>

University of California- Davis

Course Description:

Animal Science 143. Pig and Poultry Care and Management (4)

Lecture—3 hours; laboratory—3 hours; Saturday field trips. Prerequisite: Nutrition 115, Neurobiology, Physiology, and Behavior 101. Care and management of swine, broilers and turkeys as related to environmental physiology, nutrition and metabolism, disease management and reproduction. Offered in alternate years.—(I.) King

Contact:

Kent Parker

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kparker@ucdavis.edu

Phone:

(530) 752-1683

Website:

<http://animalscience.ucdavis.edu/>

University of Delaware

Course Description:

ANFS418. Swine Production

Principles of modern swine production: nutrition, reproduction, housing, health and management.

Contact:

Lesa Griffiths

Email:

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Phone:

(302) 831-2852

Website:

<http://ag.udel.edu/anfs/>

University of Georgia

Course Description:

ADSC 3610-3610L. Pork Production and Management.

3 hours. 2 hours lecture and 2 hours lab per week.

Oasis Title: PORK PROD AND MGMT. Breeding, feeding, and management of swine. Prerequisite or corequisite: ADSC 2000-2000L and two of the following: ADSC 3110 or ADSC 3310-3310L or ADSC 3400-3400L (one of these courses must be taken as a prerequisite).

Offered fall semester every year.

Contact:

Robert Dove

Email:

crdove@uga.edu

Phone:

(706) 583-0796

Website:

<http://www.caes.uga.edu/>

University of Illinois

Course Description:

ANSC 403Pork Production

Credit: 3 hours. Applies science and technology to the selection, breeding, feeding, housing and management of swine in a production enterprise; emphasizes use of research findings in decision making. Credit is not given for both ANSC 213 and ANSC 403. Prerequisite: ANSC 340 ANSC 321, and ANSC 467; and ANSC 331 or ANSC 431.

Contact:

Mike Ellis

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(217) 333-6455

Website:

<http://www.ansci.illinois.edu/>

University of Kentucky

Course Description:

ASC 408G SWINE PRODUCTION. (2)

A study of scope and importance of the swine industry. Application of principles of breeding, reproduction, nutrition, housing, health, and management of swine in modern production systems. Prereq: ASC 101, 102, 378.

Contact:

Gary Cromwell

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gcromwel@uky.edu

Phone:

(859) 257-7534

Website:

<http://www.uky.edu/Ag/AnimalSciences/>

University of Minnesota

Course Description:

ANSC 4601 Pork Production Systems Management.

(4.0 cr; Prereq-4611; spring, every year) Interrelationships of business, marketing, and biological performance of pigs in various types of production systems.

ANSC 4611 Advanced Pork Production Systems Management.

(2 cr, Prereq- 4601,very spring) Analysis of Pork Production Systems. Case Studies, Visits to pork production operations.

Contact:

Jerry Shurson

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shurs001@umn.edu

Phone:

(612) 624-2764

Website:

<http://www.ansci.umn.edu/>

University of Missouri

Course Description:

AN SCI 4978—Swine Production (3).

Systems of pork production: breeding, feeding, management of commercial and purebred swine. Prerequisites: AN SCI 1065, 2175 and 3212 or instructor's consent.

Contact:

Tim Safranski

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safranskit@missouri.edu

Phone:

(573) 884-7994

Website:

<http://www.asrc.agri.missouri.edu/>

University of Nebraska

Course Description:

454. Swine Management

(3 cr I) Lec 1, lab 2. Prereq: Senior standing or permission; ASCI 250; AECN 201. ASCI 210, 240, 320 and 330 recommended. Integration and application of factors pertaining to nutrition, physiology, genetics, health, engineering, and economics in the production of pork. Factors affecting profitability of the swine enterprise emphasized. Instructor: Dr. Duane Reese, Fall

Contact:

Duane Reese

Email:

dreese1@unl.edu

Phone:

(402) 472-6425

Website:

<http://www.animalscience.unl.edu/index.html>

University of Tennessee

Course Description:

ANSC 483 - Pork Production and Management

3 Credit Hours

Integration of principles of nutrition, breeding, physiology, and marketing into complete production and management programs. Structure of industry, enterprise establishment, systems of production, production practices, and improvement program. Management evaluated in terms of production responses and economic returns.

Contact Hour Distribution: 2 hours and 1 lab.

(RE) Prerequisite(s): 320 and 340.

(RE) Corequisite(s): 330 and 380.

Contact:

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(865)-974-5597

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University of Tennessee-Martin

Course Description:

ANSC 420 - Swine Science

(3) Programs in breeding, feeding, management, marketing and methods of production. Trends in production, processing and consumption. Research results. Trips to swine farms, feeding operations and markets. Progressive look at the swine industry focusing on management programs in areas of production, including selection, breeding, feeding, health, facilities, and environmental management, and strategies utilized in contracting, marketing and the value-added processing of pork. Information on consumer food preferences, current swine research, societal concerns and industry practices will be used along with trips to swine farms and related industries to reinforce best management practices in the swine industry. Two one-hour lectures and one three-hour lab. Prereq: ANSC 350; Junior standing in Animal Science or Pre-Vet options or permission of instructor. Course offered in spring semester of even years.

Contact:

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cdarroch@utm.edu

Phone:

(731) 881-7259

Website:

<http://www.utm.edu/departments/caas/agnr/agundergrad.php>

University of Wisconsin- River Falls

Course Description:

Animal Science 366 Swine Production 3

This course examines the selection, breeding, feeding, housing, and general management of swine. Prerequisites: ANSC 232,257. (Sp, alternate years)

Contact:

Gary Onan

Email:

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Phone:

(715) 425-3704

Website:

<http://www.uwrf.edu/afs-all/>

University of Wisconsin

Course Description:

ANIMAL SCIENCES 432: Swine Production

Application of research findings in breeding, feeding, management and marketing to modernize production. Lab: Farm visits, practical exercises in testing changes, “tools” used by producers.

Contact:

Tom Crenshaw

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Phone:

(608) 263-4423

Website:

<http://www.ansci.wisc.edu/>

Utah State University

Course Description:

ADVS 2120 Swine Production Practices 2

Production practices in the selection, handling, and care of swine.

Demonstrations of equipment, facilities, and skills relevant to swine industry. Prerequisite: ADVS 1110 (may be taken concurrently) or permission of instructor.

ADVS 5120 Swine Management 3

(dual listing 6120)

Management decisions based on nutrition, breeding programs, herd health practices, herd records, and marketing opportunities. Prerequisites: ADVS 2120; ADVS 3510, 4200, 4560 (may be taken concurrently). (F)

Contact:

Lyle McNeal

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Phone:

(435) 797-2154

Website:

<http://www.usu.edu/advs/>

Virginia Tech

Course Description:

APSC 4444: SWINE PRODUCTION

Principles for commercial and seedstock swine production; current management practices, housing and marketing; issues and challenges in the swine industry. Experience in husbandry, research, and other management techniques obtained during laboratory. Pre: ALS 3104, ALS 3204, ALS 3304, APSC 2114. (2H,3L,3C) Offered Spring Semesters.

Contact:

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piglady@vt.edu

Phone:

(540) 231-6937

Website:

<http://www.apsc.vt.edu/>

Washington State University

Course Description:

Swine Management Laboratory

1 (0-3) Management practices associated with a swine enterprise. Field trip and special clothing required. Cooperative course taught by WSU, open to UI students (AVS 178) S, F grading.

Swine Production

3 (2-3) Prereq A S 313; A S 330; A S 350. Principles of breeding, feeding, management, and marketing of swine. Field trips and special clothing required. Cooperative course taught by WSU, open to UI students (ANSC 326)

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