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
Clemson University
Colorado State University
Illinois State University
Iowa State University
Kansas State University
Michigan State University
Mississippi State University
North Carolina State University
Ohio State University
Oklahoma State University
Penn State University
Purdue University
South Dakota State University
Southern IL-Carbondale
Texas A & M University
Texas Tech University
University of Arkansas
University of California-Davis
University of Delaware
University of Georgia
University of Illinois
University of Kentucky
University of Minnesota
University of Missouri
University of Nebraska
University of Tennessee
University of Tennessee-Martin
University of Wisconsin - River Falls
University of Wisconsin
Utah State University
Virginia Tech
Washington State University
Western Illinois University
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 Pettrey
Email: lpettey@calpoly.edu
Phone: (805) 756-6337
Website: 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
**Email:**
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
Email: brett.kaysen@colostate.edu
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
Phone: (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.


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
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:
William Flowers
Email: William_Flowers@ncsu.edu
Phone: (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/
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
Email: carters@okstate.edu
Phone: (405) 744-8869
Website: http://www.anzi.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

Email:
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
Email: aschinck@purdue.edu
Phone: (765) 494-4836
Website: http://www.ag.purdue.edu/ansc/Pages/default.aspx
Course Description:
AS 478 - Swine Production

Contact:
Chris Hostetler
Email: Chris.Hostetler@SDSTATE.EDU
Phone: (605) 688-5011
Website: http://www3.sdstate.edu/Academics/CollegeOfAgricultureAndBiologicalSciences/AnimalandRangeScience/Index.cfm
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, hosing 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
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
Email: d-knabe@tamu.edu
Phone: (979) 845-1816
Website: http://animalscience.tamu.edu/
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/
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
Email: cmaxwell@uark.edu
Phone: (479) 575-2111
Website: http://animalscience.uark.edu/
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
Email: kparker@ucdavis.edu
Phone: (530) 752-1683
Website: http://animalscience.ucdavis.edu/
Course Description:
ANFS418. Swine Production
Principles of modern swine production: nutrition, reproduction, housing, health and management.

Contact:
Lesa Griffiths
Email:
lesa@udel.edu
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 403 Pork 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
Email: mellis7@illinois.edu
Phone: (217) 333-6455
Website: http://www.ansci.illinois.edu/
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
Email: 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.


Contact:
Jerry Shurson

Email: shurs001@umn.edu

Phone: (612) 624-2764

Website: http://www.ansci.umn.edu/
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
Email: safranskit@missouri.edu
Phone: (573) 884-7994
Website: http://www.asrc.agri.missouri.edu/
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:
Cheryl Kojima
Email: cjkojima@mail.ag.utk.edu
Phone: (865)-974-5597
Website: http://animalscience.ag.utk.edu/
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 1-hr lectures and one 3-hr 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:
Craig Darroch
Email: 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:
gary.onan@uwrf.edu

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

Email:
crenshaw@calshp.cals.wisc.edu

Phone:
(608) 263-4423

Website:
http://www.anisci.wisc.edu/
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

**Email:**
sheepman@cc.usu.edu

**Phone:**
(435) 797-2154

**Website:**
http://www.usu.edu/advs/
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:
Cynthia Wood
Email: piglady@vt.edu
Phone: (540) 231-6937
Website: http://www.apsc.vt.edu/
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)

Contact:
Charles Gaskins

Email:
gaskins@wsu.edu

Phone:
(509) 335-6416

Website:
http://www.anisci.wsu.edu/home.aspx
Western Illinois University

Course Description:
Visit www.wiu.edu/catalog to learn more about 416 Swine Science: A study of selection principles, nutrition, breeding, reproduction, disease prevention and management practices applied to swine production. Prerequisites: ANSC 222 and 314. 2 hrs lect; 2 hrs lab.

Contact:
Ember Keithley, Ag Advisor
Email:
el-keithley@wiu.edu
Phone:
(309) 298-2100
Website:
www.wiu.edu/ag