

Animal Science - TENTATIVE COURSE OFFERINGS 2025-2026

Course #	Course title	Units	Su 25	F 25	W 26	Sp 26	Prerequisites
ASCI 101	Introduction to the Animal Sciences	2		•			None
ASCI 112	Principles of Animal Science	4	•	•	•	•	None
ASCI 203	Animal Parasitology	3			•		BIO 111 or BIO 161
ASCI 211	Meat Science	4	•	•	•	•	None
ASCI 212/412	Livestock Show Mgmt/Adv. Livestock Event Plan	3			•		None/ ASCI 212, AGB 314 and consent of instructor
ASCI 214	Equine Management	2	•	•	•	•	Consent of instructor
ASCI 215	Safe Handling of Animal-Based Foods for Cons	4			•	•	BIO 111 or BIO 161; and CHEM 127
ASCI 220	Introductory Animal Nutrition and Feeding	4	•	•	•	•	BIO 111 or BIO 161; and CHEM 127
ASCI 221	Introduction to Beef Production	4		•		•	None
ASCI 222	Systems of Swine Production	4		•	•	•	None
ASCI 223	Systems of Small Ruminant Management	4		•	•	•	None
ASCI 224	Equine Science	4		•	•	•	None
ASCI 225	Introduction to Poultry Management	4	•	•		•	None
ASCI 227	Companion Animal Science	4		•	•	•	None
ASCI 229	Anatomy and Physiology of Farm Animals	4		•	•	•	BIO 111 or BIO 161
ASCI 239	Principles of Range Management	4		•	•		None
ASCI 265	Equine Behavior and Training	3		•			None
ASCI 302	Animal Genetics	4	•	•	•	•	BIO 111 or BIO 161; and STAT 218.
ASCI 304	Animal Genomics	3	•	•	•	•	BIO 302 or BIO 303 or BIO 351
ASCI 310	Technical Veterinary Skills	4		•	•	•	ASCI 229
ASCI 311	Advanced Beef Cattle System Management	4			•		ASCI 221
ASCI 315	Equine Biomechanics	4		•			ASCI 224
ASCI 319	Physiological Chemistry of Animals	4	•		•	•	ASCI 229 and one of the following: CHEM 212/216/312/316
ASCI 321	Zoonoses & Veterinary Public Health Concerns	4			•	•	BIO 111 or BIO 161
ASCI 330	Poultry Meat Production and Processing	4			•		ASCI 225
ASCI 333	Equine Reproduction	5				•	ASCI 224
ASCI 340	Animal Welfare and Ethics	4		•	•	•	BIO 111 or 161; and Junior standing
ASCI 344	Equine and Human Communication	3		•	•	•	ASCI 214
ASCI 345	Equine Behavior Modification	5		•			ASCI 344 and consent of instructor
ASCI 346	Equine Nutrition	4				•	ASCI 220 with a grade of C- or better and ASCI 224
ASCI 347	Equine Exercise Physiology	3			•		ASCI 224
ASCI 350	Nonruminant Nutrition	4			•		ASCI 220 with a grade of C- or better or consent of instructor

Course #	Course title	Units	Su 25	F 25	W 26	Sp 26	Prerequisites
ASCI 351	Reproductive Physiology	4	•	•	•	•	ASCI 229
ASCI 355	Ruminant Nutrition	4			•		ASCI 320 or CHEM 313 or 371 & ASCI 220 with a grade of C- or better
ASCI 360	Holistic Management	4	•				JR standing and completion of GE Area A, B1, and one of B2, B3 and B4
ASCI 363	Undergraduate Seminar	2	•	•	•	•	Junior standing
ASCI 366	Veterinary Pharmacology	4			•		CHEM 111 or 127; and ASCI 229
ASCI 370	Rangeland Improvements	3			•		ASCI 239 or 329
ASCI 372	CA Rangelands & Ranch Resource Mgmt	3				•	ASCI 239 or 329
ASCI 403	Applied Biotechnology in Animal Science	5					BIO 161 & 162, & upper division genetics course
ASCI 405	Domestic Livestock Endocrinology	4		•			ASCI 229 or BIO 361
ASCI 406	Applied Animal Embryology & Assisted. Repro	4		•			ASCI 229 and ASCI 351
ASCI 407	Assisted Repro Tech of Gametes & Embryo Lab	3			•		ASCI 229, 351 & 406. Rec: ASCI 320 or CHEM 371 & 372
ASCI 410	Applied Animal Behavior Science	4			•	•	BIO 111 or 161; ASCI 229 or BIO 162
ASCI 412/413	Advanced Livestock Event Management	1		•	•	•	ASCI 412 and consent of instructor
ASCI 415	HACCP for Meat and Poultry Operations	3			•		ASCI 211
ASCI 419	Animal Metabolism and Nutrition	3				•	ASCI 220 with grade of C- or better; ASCI 320 or CHEM 313 or 371
ASCI 425	Meat Industry Study Tour	2			•		ASCI 211
ASCI 438	Systemic Animal Physiology	4		•		•	ASCI 229, CHEM 313 or 371, or ASCI 320
ASCI 440	Immunology and Diseases of Animals	4				•	ASCI 229. Rec.: ASCI 320, CHEM 371 or equivalent
ASCI 455	Advanced Equine Reproductive Technologies	4				•	ASCI 333 and 351. Recommended: ASCI 405 and 406
ASCI 460	Rangeland Assessment and Planning	4				•	ASCI 329
ASCI 479	Sr. Project – Current Topics in Animal Science	3	•	•		•	Senior standing and ASCI 363
ASCI 484	Processed Meat Products	4		•		•	ASCI 211, FSN 204, or graduate standing
ASCI 520	Comparative Animal Nutrition	4					ASCI 320 or CHEM 313 or 371; and one of the following: ASCI 346/350/355/DSCI 301, or consent of instructor
ASCI 581	Graduate Seminar in Animal Science	1	•	•	•	•	Graduate standing and consent of instructor

Revised 3/6/2025

NOTE: ASCI 290, 339, 477, 478, 490, 500 and 539 are taught each quarter.

Dairy Science - 2025-2026 TENTATIVE COURSE OFFERINGS

DSCI	Course title	Units	Su 25	F 25	W 26	Sp 26	Prerequisites
102	Dairy Operations and Safety	2				•	None
202	Dairy Promotion and Marketing	4		•			DSCI 230 and DSCI 231
229	General Dairy Manufacturing	4	•	•	•	•	None
230	General Dairy Husbandry	4		•		•	None
233	Milk Processing and Inspection	4			•		DSCI 231 or FSN 125 or FSN 230
241	Dairy Cattle Breeds, Fitting, and Showing	4				•	DSCI 230
301	Dairy Cattle Nutrition	4		•		•	ASCI 220 with grade of C- or better or consent of instructor
321	Lactation Physiology	4			•		ASCI 220, DSCI 230 and BIO 111 or 161
330	Artificial Insemination and Embryo Biotech	4		•			DSCI 230 or ASCI 229
333	Dairy Animal Health, Safety & Applied	4			•		ASCI 220 and DSCI 230
339	Internship in Animal/Dairy Science	1-12	•	•	•	•	Now offered as ASCI 339. CR/NC Consent of Instructor
401	Physical Chemical Properties Dairy Products	4		•			Junior standing; Recommend CHEM 312
402	Quality Assurance Control of Dairy Products	4				•	DSCI 444 or MCRO 421
410	Advanced Dairy Nutrition	4					ASCI 229; and ASCI 355 or DSCI 301
412	Dairy Farm Consultation	4			•		DSCI 333
422	Breeding and Genetics of Dairy Cattle	4				•	DSCI 241, BIO 111 or higher, STAT 130 or higher
432	Advanced Dairy Herd Management	4			•		DSCI 333
444	Dairy Microbiology	4		•			DSCI 233; MCRO 221 or 224; and STAT 130 or 218

Revised 9/16/2025