

Dairy Science - Revised for 2009-2010 PROJECTED COURSE OFFERINGS

DSCI	Course title	Units	F	W	S	Prerequisites, Comments
			0 9	1 0	1 0	
100	Enterprise Project	1-4	•	•	•	CR/NC – 2 units required of 100 or 339
101	Dairy Feeds and Feeding	4	•		•	
121	Elements of Dairying	4	•			Freshmen need this
123	Dairy Science Orientation	1	•			Freshmen and Transfers need this
200	Special Problems for Undergrads	1-2	•	•	•	COI, limit 2 units/qtr, 4 units total credit
202	Dairy Promotion and Marketing	4	•			231 or COI
223	Frozen Dairy Foods	4		•		231 or COI - EOY
230	General Dairy Husbandry	4	•	•	•	Intro course for non-Dairy Science majors
231	General Dairy Manufacturing*	3	•		•	*Intro course for DSCI majors, see note below
232	General Dairy Manufacturing Lab*	1	•		•	*Concurrent Enrollment for DSCI majors req'd
233	Milk Processing and Inspection	4		•		231
234	Dairy Foods Evaluation	2			•	
241	Dairy Cattle Breeds, Fitting, and Showing	4			•	121 or 230
301	Dairy Cattle Nutrition	4	•		•	101 and 121 or 230
321	Lactation Physiology	4	•			101, 121, BIO 111 and CHEM 111
330	Artificial Insemination and Embryo Biotech	4	•			121 or 230 or VS 223 or COI
333	Dairy Cattle Management Safety Well-Being	4		•		121 or 230
339	Internship in Dairy Science	1-12	•	•	•	CR/NC – Consent of Instructor
340	Dairy Waste Mgmt & Resource Recovery	3			•	Completion of Area B
400	Special Problems for Advanced Undergrads	1-2	•	•	•	COI, limit 2 units/qtr, 4 units total credit
401	Physical Chemical Properties Dairy Products	4			•	CHEM 212 or COI – EOY
402	Quality Assurance Control of Dairy Products	4				233 and MCRO 221 – EOY; STAT 130 or 218
412	Dairy Farm Consultation	4		•		121 or 230, 330, 333, and junior standing
422	Breeding and Genetics of Dairy Cattle	4			•	241
432	Advanced Dairy Herd Management	4		•		241, 301, 330, 422
433	Dairy Plant Management and Equipment	4	•			233 and 434 – EOY
434	Cheese and Fermented Dairy Foods	4				231 and MCRO 221 – EOY
435	Concentration/Fractionation and Butter Tech	4			•	231
444	Dairy Microbiology	4	•			MCRO 221 or 224 – EOY
461	Senior Project – class	3	•			Beginning Fall 2006: 461 only, no 462
463	Undergraduate Seminar	2			•	Present senior project, etc.

COI = consent of instructor

EOY = offered every other year

CR/NC = only offered credit/no credit

Animal Science - TENTATIVE COURSE OFFERINGS 2009-2010

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ASCI 101	Introduction to the Animal Sciences	2	•			None
ASCI 112	Principles of Animal Science	4	•	•	•	None
ASCI 211	Meat Science	4	•	•	•	None
ASCI 212	Livestock Show Management	3		•		None
ASCI 214	Equine Management			•		Consent of instructor
ASCI 220	Introductory Animal Nutrition and Feeding	4	•	•	•	ASCI 112
ASCI 221	Introduction to Beef Production	4	•	•	•	ASCI 112
ASCI 222	Systems of Swine Production	4	•	•	•	ASCI 112
ASCI 223	Systems of Sheep Production	4	•	•		ASCI 112
ASCI 224	Equine Science	4	•	•	•	ASCI 112
ASCI 226	Livestock Evaluation	3			•	None
ASCI 227	Companion Animal Science	4		•		ASCI 112
ASCI 228	Equine Evaluation	2			•	None
ASCI 260	Preparation of Livestock for Shows & Sales	3		•	•	None
ASCI 265	Equine Behavior and Training	3	•			None
ASCI 304	Animal Genomics	3			•	BIO 302 or BIO 303 or BIO 351
ASCI 311	Advanced Beef Cattle System Management	4		•		ASCI 221
ASCI 315	Equine Biomechanics	4	•			ASCI 224; VS/ASCI 229 recommended
ASCI 320	Physiological Chemistry of Animals	4		•		CHEM 312 or 316, VS/ASCI 229
ASCI 324	Advanced Equine Evaluation	2	•			ASCI 228
ASCI 326	Advanced Livestock Evaluation	2	•			ASCI 226
ASCI 329	Principles of Range Management	3	•		•	One course each in SS, ASCI, BOT, CRSC
ASCI 333	Equine Reproduction	5		•		ASCI 224 and VS/ASCI 229
ASCI 344	Equine and Human Communication	3	•		•	ASCI 214
ASCI 345	Equine Behavior Modification	5		•		ASCI 344
ASCI 346	Equine Nutrition	4	•			ASCI 220 and ASCI 224
ASCI 347	Equine Exercise Physiology	3		•		ASCI 224 and VS/ASCI 229
ASCI 350	Applied Nonruminant Nutrition	4			•	ASCI 220 or DSCI 101
ASCI 351	Reproductive Physiology	4	•	•	•	VS/ASCI 229
ASCI 355	Ruminant Nutrition	4		•		ASCI 220; ASCI 320 or CHEM 313 or 371
ASCI 366	Veterinary Pharmacology	4			•	CHEM 111 or 127; VS/ASCI 229
ASCI 384	Processed Meat Products	4	•			ASCI 211 and junior standing
ASCI 403	Applied Biotechnology in Animal Science	5	•			BIO 161 & 162, & upper division genetics course
ASCI 405	Domestic Livestock Endocrinology	4			•	VS/ASCI 229
ASCI 406	Applied Animal Embryology	5	•			VS/ASCI 229 and ASCI 351
ASCI 412	Advanced Livestock Event Planning	3		•		ASCI 212, AGB 314 and instructor consent
ASCI 413	Advanced Livestock Event Management	1	•			ASCI 412 and consent of instructor
ASCI 415	HACCP for Meat and Poultry Operations	3		•	•	ASCI 211 or consent of instructor
ASCI 420	Animal Nutrition	3	•			ASCI 220; ASCI 320 or CHEM 313 or 371
ASCI 430	Animal Feed Processing	4				ASCI 112
ASCI 450	Computer Applications in Animal Science	4				CSC 110
ASCI 455	Adv. Equine Reproductive Technologies	4	•			ASCI 333, 351. ASCI 405 & 406 recommended
ASCI 463	Undergraduate Seminar	2	•	•	•	ASCI 462 and Senior standing
ASCI 476	Issues in Animal Agriculture	3			•	Upper division standing
ASCI 503	Adv Molecular Techniques in Animal Sci	4		•		ASCI 403 or equivalent course
ASCI 520	Comparative Animal Nutrition	4			•	ASCI 320 or CHEM 313 or 371; and one of ASCI 346, 350, 355 or DSCI 301.
ASCI 581	Graduate Seminar in Animal Science	1	•	•	•	Graduate standing and consent of instructor
PM/ASCI 225	Introduction to Poultry Management	4	•	•	•	None
PM/ASCI 325	Egg Production, Processing and Distribution	4	•			PM/ASCI 225
PM/ASCI 330	Poultry Meat Production and Processing	4		•		PM/ASCI 225
PM/ASCI 342	Poultry Business Management	4		•		PM/ASCI 225
VS/ASCI 203	Animal Parasitology	3				BIO 111 or BIO 161
VS/ASCI 229	Anatomy and Physiology of Farm Animals	4	•	•	•	BIO 111 or BIO 161
VS/ASCI 310	Technical Veterinary Skills	4				VS/ASCI 229
VS/ASCI 312	Production Medicine	3				ASCI 221 or 223; PM/ASCI 225 or ASCI 222, ASCI 224 or 227; and VS/ASCI 229
VS/ASCI 438	Systemic Animal Physiology	4	•		•	VS/ASCI 229, CHEM 313 or 371, or ASCI 320
VS/ASCI 440	Immunology and Diseases of Animals	4			•	VS/ASCI 229. Rec.: ASCI 320, CHEM 371 or equiv.

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ASCI 214	Equine Management			•		Consent of instructor
ASCI 220	Introductory Animal Nutrition and Feeding	4	•	•	•	ASCI 112
ASCI 221	Introduction to Beef Production	4	•	•	•	ASCI 112
ASCI 222	Systems of Swine Production	4	•	•	•	ASCI 112
ASCI 223	Systems of Sheep Production	4	•	•		ASCI 112
ASCI 224	Equine Science	4	•	•	•	ASCI 112
ASCI 226	Livestock Evaluation	3			•	None
ASCI 227	Companion Animal Science	4		•		ASCI 112
ASCI 228	Equine Evaluation	2			•	None
ASCI 260	Preparation of Livestock for Shows & Sales	3		•	•	None
ASCI 265	Equine Behavior and Training	3	•			None
ASCI 304	Animal Genomics	3			•	BIO 302 or BIO 303 or BIO 351
ASCI 311	Advanced Beef Cattle System Management	4		•		ASCI 221
ASCI 315	Equine Biomechanics	4	•			ASCI 224; VS/ASCI 229 recommended
ASCI 320	Physiological Chemistry of Animals	4		•		CHEM 312 or 316, VS/ASCI 229
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ASCI 326	Advanced Livestock Evaluation	2	•			ASCI 226
ASCI 329	Principles of Range Management	3	•		•	One course each in SS, ASCI, BOT, CRSC
ASCI 333	Equine Reproduction	5		•		ASCI 224 and VS/ASCI 229
ASCI 344	Equine and Human Communication	3	•		•	ASCI 214
ASCI 345	Equine Behavior Modification	5		•		ASCI 344
ASCI 346	Equine Nutrition	4	•			ASCI 220 and ASCI 224
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PM/ASCI 225	Introduction to Poultry Management	4	•	•	•	None
PM/ASCI 325	Egg Production, Processing and Distribution	4	•			PM/ASCI 225
PM/ASCI 330	Poultry Meat Production and Processing	4		•		PM/ASCI 225
PM/ASCI 342	Poultry Business Management	4		•		PM/ASCI 225
VS/ASCI 203	Animal Parasitology	3				BIO 111 or BIO 161
VS/ASCI 229	Anatomy and Physiology of Farm Animals	4	•	•	•	BIO 111 or BIO 161
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