

ANIMAL BIOLOGY APPROVED ELECTIVES

For graduation, all Animal Biology Specialization Students must complete a **minimum** of:

- 4 **credits** of approved Animal Science lecture electives
- 4 **credits** of approved Animal Science lab electives

Approved Animal Science – Lecture Only Electives:

Approved lecture electives are advanced, upper-division courses (ANS 3000-level and 4000-level course) within Animal Sciences that address concepts related to livestock production. **Always check pre-requisites needed in the UF Schedule of Courses.**

Course Number	Course Title	Credits	Notes
*ANS 2002	The Meat We Eat	3	
*ANS 2090	Survey of Veterinary Medicine	2	
†ANS 3008	Livestock Behavior & Welfare	3	
†ANS 3216	Intro to Equine Science	3	
‡ANS 3251	Biology & Management of Dairy Cattle	3	
‡ANS 3404C	Food Animal Nutrition & Feeding	4	
†ANS 3405	Equine Nutrition & Feeding	2	
*ANS 2934	Careers in Animal Sciences	2	
†ANS 4243	Beef Cow-Calf Management	5	
‡ANS 4245	Beef Background & Feedlot Management	2	Must have been enrolled in ANS 4243 in previous fall and/or have prior approval from Dr. Thrift.
†ANS 4382	Equine Genetics	2	ANS 3384C (or equivalent genetics course) is a pre-requisite
*ANS4383	Quantitative Genetic Analyses	3	ANS 3384C (or equivalent genetics course) is a pre-requisite
† ANS4240C	Sustainable Cattle Systems	2	
*ANS 4931	Senior Seminar	1	
‡ANS4932	Seedstock Management	3	
‡ANS 4932	HACCP Systems	2	
VME 4103	Livestock Health & Disease Prevention	2	Offered through the Vet School; semesters vary

Color Codes: Fall & Spring (*), Fall (†), Spring (‡), Summer (††)

Updated February 2024

Approved Animal Science – Lab Only Electives:

Approved lab elective courses are advanced, upper-division courses (ANS 3000-level and 4000-level courses) within Animal Sciences that provide students with direct, hands-on experience with livestock species, their related products (ie: carcasses, meat, fluid milk, etc.), and/or anatomy.

Course Number	Course Title	Credits	Notes
‡ANS 4079L	Relationship of Form to Function in Horses	3	ANS 3043 is a pre-requisite
‡ANS 3613C	Value Determination of Meat Animals	3	
†ANS 3239L	Techniques in Equine Science (Remedial Horsemanship)	2	Departmentally-controlled; Teams page and emails from ANS advisors will have form to request enrollment prior to advanced registration; does not require equine experience
‡ANS 3239L	Techniques in Equine Science – Ranch Horse Management *offered every other spring – odd years	2	Departmentally-controlled and requires equine experience; contact Joel McQuagge
*ANS 3246L	Beef Production Practicum	2 Fall + 2 Spring 4 total	Departmentally-controlled; must be co-enrolled in ANS 4243 in the fall and ANS 4245C in the spring with pre-approval from Dr. Thrift; course is conducted at the Beef Teaching Unit.
‡ANS 3250L	Dairy Cattle Practicum	2	Must be co-enrolled in ANS 3251; some labs conducted at Dairy Research Unit
*ANS3500L	Growth & Development Poultry Lab	1	Must take concurrently with ANS3043
‡ANS 4212L	Techniques in Farrier Science	2	Departmentally-controlled; contact Joel McQuagge
†ANS 4218L	Horse Psychology & Training	3	Departmentally-controlled; significant riding experience required; must enroll in ANS 4241L in following spring; contact Joel McQuagge
††ANS 4231 Section GSSA	Practicum in Horse Management & Training Techniques Horse Care & Grooming (SS A)	1	Located at the HTU during summer A; no equine experience required.
††ANS 4231 Section GSSC	Practicum in Horse Management & Training Techniques Horse Care & Grooming (SS C)	1	Located at the HTU during summer C; no equine experience required

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Color Codes: Fall & Spring (*), Fall (+), Spring (‡), Summer (††)

Approved Animal Science – Lab Only Electives Continued:

Approved lab elective courses are advanced, upper-division courses (ANS 3000-level and 4000-level courses) within Animal Sciences that provide students with direct, hands-on experience with livestock species, their related products (ie: carcasses, meat, fluid milk, etc.), and/or anatomy.

Course Number	Course Title	Credits	Notes
††ANS4231 Section FOAL	Practicum in Horse Management & Training Techniques Horse Care & Grooming (SS A) FOALING	1	Located at the HTU during summer A; no equine experience required.
+ANS 4231 Section GRM1	Practicum in Horse Management & Training Techniques Horse Care & Grooming	1	Located at the HTU; no equine experience needed.
‡ANS 4231 Section GRM	Practicum in Horse Management & Training Techniques Horse Care & Grooming	1	Located at the HTU; no equine experience needed.
+ANS3943C	Weanling Behavior & Modification	1	Located at the HTU; no equine experience needed.
‡ANS 4231 Section FOAL	Practicum in Horse Management & Training Techniques Foaling Practicum	1	Located at the Horse Research Center in Ocala; You may enroll yourself; no equine experience needed.
‡ANS 4241L	Intermediate Horse Training	2	Departmentally-controlled; must have been enrolled in ANS 4218L in previous fall; contact Joel McQuagge
*ANS 4605	Horse Judging Team Livestock Judging Team Meats Judging Team Meat Animal Evaluation Team	1	This is a calendar year commitment (spring and fall) for the judging teams; must have coach approval for enrollment
‡ANS 4389L	Techniques in Molecular Genetics *offered every other spring – odd years	2	Must have completed ANS 3384, AGR 3303, or PCB 3063 with a “C” or better;
‡ANS4932	Dairy Farm Evaluation	1	ANS3251 is Pre-requisite

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Approved Animal Science – Lecture or Lab Electives

Approved lecture or lab electives are advanced, upper-division courses (ANS 3000-level and 4000-level courses) offered in Animal Sciences that have a significant lecture and direct, hands-on lab portion to the course, which warrants a student to choose how they would like to use the course to meet degree requirements.

Please note: can only be used once as either a lecture **OR** lab approved elective for degree

Course Number	Course Title	Credits	Notes
†ANS 2615C	Introduction to Livestock and Meat Evaluation	3	Recommended for students interested in joining the Livestock, Meats, or Horse Judging Teams
†ANS 3217C	Equine Health Management	2	Recommend students take MCB 2000/L or MCB 3020/L prior to enrollment
†ANS 3634C	Meats	3	
‡ANS 4318C	Equine Reproductive Management	3	Equine experience not required, but recommended; must have completed ANS 3319C
‡ANS 4320C	Applied Livestock Reproduction	3	Must have completed ANS 3319C
† ANS 4635C	Meat Processing	3	
† ANS4623C	Pork Production	3	

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