

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

DEPARTMENTALLY CONTROLLED COURSES: Enrollment request forms are sent out by ANS advisors BEFORE advanced registration every fall and spring semester. You must fill out the form to be considered for the departmentally controlled course.

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 the prerequisites 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	Prereq: ANS 4243 in previous fall and/or have prior approval from Dr. Thrift.
†ANS 4382	Equine Genetics	2	Prereq: ANS 3384C (or equivalent genetics)
*ANS 4383	Quantitative Genetic Analyses	3	Prereq: ANS 3384C (or equivalent genetics)
†ANS 4240C	Sustainable Cattle Systems	2	
*ANS 4931	Senior Seminar	1	
‡ANS 4932	HACCP Systems	2	
‡ANS 4932	Seedstock Management	3	
†ANS 4932	Animal Welfare Assessment	2	
VME 4103	Livestock Health & Disease Prevention	2	Offered through UF Vet Med; semesters vary

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

Updated August 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 3613C	Value Determination of Meat Animals	3	
†ANS 3239L	Techniques in Equine Science (Remedial Horsemanship)	2	<u>Departmentally controlled</u> ; does not require equine experience
‡ANS 3239L	Techniques in Equine Science – Ranch Horse Management *offered every other spring – odd years	2	<u>Departmentally-controlled</u> and requires equine experience; contact Joel McQuagge
*ANS 3246L	Beef Production Practicum	2 Fall + 2 Spring 4 total	<u>Departmentally controlled</u> ; 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
*ANS 3500L	Chicken Growth and Development	1	Must be taken concurrently with ANS3043
‡ANS 4212L	Techniques in Farrier Science	2	<u>Departmentally controlled</u> ; contact Joel McQuagge
†ANS 4218L	Horse Psychology & Training	3	<u>Departmentally controlled</u> . significant riding experience required; must enroll in ANS 4241L in following spring; contact Joel McQuagge.
†ANS 4231	Practicum in Horse Management & Training Techniques Horse Care & Grooming	1	Located at the HTU; no equine experience required. Offered Spring, Summer A & C, and Fall. SUMMER IS DEPARTMENTALLY CONTROLLED
+ANS3943C	Weanling Behavior & Modification	2	Located at the HTU; no equine experience needed.

Approved Animal Science – Lab Only Electives Continued

‡ANS 4079C	Relationship of Form to Function in Horses	3	<u>ANS 3043 is a pre-requisite</u>
‡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	<u>Departmentally-controlled</u> ; must have been enrolled in ANS 4218L in previous fall; contact Joel McQuagge
*ANS 4605	Horse Judging Team Livestock Judging Meats Judging Team Meat Animal Evaluation Team Animal Welfare Assessment 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;
‡ANS 4932	Dairy Farm Evaluation	1	

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 a Lecture or Lab approved elective.

Course Number	Course Title	Credit	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	
† ANS 4623C	Pork Production	3	
*ANS 4605	TA	1-2	Lab or lecture depending on the work
*ANS 4911	Undergraduate Research	1-3	Lab or lecture depending on the work

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