

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 courses) within Animal Sciences that address concepts related to livestock production. The only exception to this definition in the listing of approved courses is ANS 2002: The Meat We Eat due to the nature of the material covered in the course related to livestock production for food.

Course Number	Course Title	Credits	Notes
*ANS 2002	The Meat We Eat	3	
†ANS 3008	Livestock Behavior & Welfare	3	
‡ANS 3251	Biology & Management of Dairy Cattle	2	
§ANS 3384C	Genetic Improvement of Farm Animals **Offered Spring & SS B***	3	Meets UF vet school genetics requirement AND ANS lecture
‡ANS 3404C	Food Animal Nutrition & Feeding	3	
†ANS 3405	Equine Nutrition & Feeding	2	
*ANS 3934	Careers in the Livestock Industry	2	
†ANS 4243	Beef Cow-Calf Management	5	
‡ANS 4245C	Beef Background & Feedlot Management	2	Must have been enrolled in ANS 4243C 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; SSB
†ANS 4701	Physiology of the Mammary Gland and Lactation	2	
*ANS 4931	Senior Seminar	1	
‡ALS 4932	HACCP Systems	2	
†ANS3216	Intro to Equine Science	3	
VME 4103	Livestock Health & Disease Prevention	2	Offered through the Vet School; semesters vary

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

Approved Animal Science – Lab Only Electives:

Approved lab elective courses are advanced, upper-division courses (ANS 3000-level and ANS 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 3079L	Relationship of Form to Function in Horses	<u>2+1</u> 3 total	Departmentally-controlled; ANS 3043 is a pre-requisite; will be registered for an additional 1 credit of ANS 4231; some labs are at the Horse Teaching Unit
‡ANS 3613L	Livestock & Meat Evaluation	2	
†ANS 3239L	Techniques in Equine Science (Remedial Horsemanship)	2	Departmentally-controlled and 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 <u>+ 2 Sp</u> 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 the Dairy Research Unit
‡ANS 4212L	Techniques in Farrier Science	2	Departmentally-controlled; contact Mr. Joel McQuagge
†ANS 4218L	Horse Psychology & Training	3	Departmentally-controlled; significant riding experience required; must enroll in ANS 4241L in following spring; contact Mr. Joel McQuagge
††ANS 4231 Section 03C7	Practicum in Horse Management & Training Techniques Horse Care & Grooming (SS A)	1	Located at the HTU during summer A; this is departmentally-controlled; no equine experience required
††ANS 4231 Section 404D	Practicum in Horse Management & Training Techniques Horse Care & Grooming (SS B) *must register for SS A to register for SS B	1	Located at the HTU during summer B and is a continuation of the SS A section; this is departmentally-controlled; to enroll in this section you MUST have completed the summer A session

Color codes: Fall & Spring(*), Fall(+), Spring(‡), Spring & Summer(\$), Summer (††)

Approved Animal Science – Lab Only Electives Continued:

Approved lab elective courses are advanced, upper-division courses (ANS 3000-level and ANS 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 4231 Section 29H2	Practicum in Horse Management & Training Techniques Horse Care & Grooming	1	Located at the HTU; Departmentally-controlled ; must request enrollment; no equine experience required
‡ANS 4231 Section 1G76	Practicum in Horse Management & Training Techniques Horse Care & Grooming	1	Located at the HTU; Departmentally-controlled ; must request enrollment; no equine experience required
†ANS 4231 Section 2053 & Section 9796	Practicum in Horse Management & Training Techniques Weanling Handling	1	Located at the HTU; this is departmentally-controlled ; no equine experience required
‡ANS 4231 Section 1A01	Practicum in Horse Management & Training Techniques Foaling Practicum	1	Located at the Horse Research Center in Ocala; this is NOT departmentally-controlled and you may enroll yourself; no equine experience required
‡ANS 4231 Section 07H7	Practicum in Horse Management & Training Techniques Equine Reproductive Practicum	1	Located at the HTU in the mornings; this is departmentally-controlled ; contact Dr. TenBroeck; equine experience required
‡ANS 4241L	Intermediate Horse Training	2	Departmentally-controlled ; must have been enrolled in ANS 4218L in previous fall; contact Mr. 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 4932	Sustainable Cattle Systems	2	
†ANS 4932	Dairy Farm Evaluation	1	
‡ANS 4389L	Techniques in Molecular Genetics	2	Must have completed ANS 3384, AGR 3303, or PCB 3063 with a “C” or better

Color codes: Fall & Spring(*), Fall(+), Spring(‡), Spring & Summer(\$)

Approved Animal Science – Lecture or Lab Electives:

Approved lecture or lab electives are advanced, upper-division courses (ANS 3000-level or ANS 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 Meats Judging Team
†ANS 3217C	Equine Health Management	2	Departmentally-controlled; recommend students take MCB 2000/L or MCB 3020/L prior to enrollment
†ANS 3634C	Meats	3	
‡ANS 4318C	Equine Reproductive Management	3	NOT departmentally-controlled; equine experience not required, but recommended; must have completed ANS 3319C
†ANS 4604C	Live Animal Evaluation	2	Recommended for students interested in joining the Livestock Judging Team
†ANS 4320C	Beef Cattle Reproductive Management (Applied Ruminant Reproductive Management)	3	Must have completed ANS 3319C
†ANS 4623C	Pork Production	3	Pre-req. ANS 3440, ANS 3319C, and ANS 3613L (or ANS 4604C)
‡ANS 4635C	Meat Processing	3	

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