Department: Animal Science & Veterinary Technology
Program: MS in Ranch Management

Skill Set	Professional Application	Delivery of Skill Set Course, extracurricular activities, etc. in which the skill set is introduced (I), reinforced (R), or mastered (M)
Understanding of complex systems in Natural Resources Management and mastery of systems dynamics tools for analysis and communication	• Study the basic biology & behavior of domestic animals; all husbandry practices (i.e., breeding, reproduction, nutrition, marketing, health/well-being, etc.); and effects of management practices, processing methods, genetics, feeding, & environment on quantity/quality of animal productions (meat, milk, & fiber) • Written or oral demonstration of knowledge gained	RAMT 5351 (I) ANSC 5331 (I, R) Systems Thinking Lectureship (I, R) Extracurricular case studies (R, M) Final M.S. Project Report (M)
Proficiency in communication and analytics needed for managing large ranches	• In-depth ranch-related case study analysis • Written case study project deliverable reports to partnering ranches • Oral case study project deliverable reports to partnering ranches	FINC 5331 (I, R) ANSC 5331 (R) RAMT 5305 (M) RAMT 5350 (R) RAMT 5390 (I) RAMT 5695 (R) Extracurricular case studies (R, M) Final M.S. Project Report (M)
Proficiency in transferring knowledge and/or technology in the field of Ranch Management	• Written case study project deliverable reports to partnering ranches • Oral case study project deliverable reports to partnering ranches	RAMT 5305 (M) RAMT 5350 (R) RAMT 5390 (I) RAMT 5695 (R) Extracurricular case studies (R, M) Final M.S. Project Report (M)