UNIVERSITY OF WYOMING

Animal and Veterinary Science (ANVS)

Range Livestock Option



Total Credit Hour requirement: **128 minimum**Upper-Division Hour requirement: **42 minimum**Effective: Fall 2017

| Name: | | | | | W#: | | |
|-------|----------------------------------|-----------------------------|---|-----------------|------------------------|----------|--|
| | Univ | versity Studies I | Program (not met as part of degree reqts) | | * C or better required | | |
| | USP | Course # | Title | Cr | Sem/Yr | Grade | |
| | FYS | | | 3 | | * | |
| | | | with C or better within the first year at UW. May be waived with 30 or high school credit (transfer). | | | | |
| | C1 | | | 3 | | | |
| | | Typically ENGL 1010, | but may be met with Honors and other courses | · - | | _ | |
| | C2 | | | 3 | | | |
| | | PreReq: Completion | of C1. | · —— - | | | |
| | Н | | | 3 | | | |
| _ | V | | | 3 | | _ | |
| | V | Check degree evalua | tion for eligibility for Challenge Exam (POLS 1000 by exam) | | | _ | |
| | | | | | | | |
| | Majo | or in Animal an | d Veterinary Science | | * C or better | required | |
| | USP | Course # | Title | Cr | Sem/Yr | Grade | |
| | | ANSC 3010 | Comp Anatomy & Phys Domestic Anim | 4 | | * | |
| | | PreReq: LIFE 2022 w | ith C or better | | | _ | |
| | | ANSC 3100 | Prin Animal Nutrition | 3 | | * | |
| _ | | PreReq: ANSC 2010 | | | | | |
| Ц | C3 | ANSC 4630 | Topics & Issues in ANSC | 3 | | _ * | |
| П | DNI | PreReq: SR standing | | 4 | | * | |
| Ш | PIN | LIFE 1010 PreReq: MATH ACT | General Biology | | | | |
| | PN | LIFE 2022 | Animal Biology | 4 | | * | |
| | | PreReq: LIFE 1010 w | | · - | | | |
| | Q | MATH 1400 | College Algebra | 3 | | * | |
| | | | with C or better, or MATH ACT \geq 23, or MPE \geq 3. MATH 1450 may & 1405. Waived with MATH ACT \geq 26 or MPE \geq 3. | | | | |
| | Q | STAT 2050 | Fund in Statistics | 4 | | | |
| | | PreReq: MATH 1400 | with C or better, or MATH ACT \geq 26 or MPE \geq 4 | | | | |
| | Concentration in Range Livestock | | | | * C or better | required | |
| | USP | Course # | Title | Cr | Sem/Yr | Grade | |
| | | ANSC 1010 | Intro to Animal Science | 4 | | | |
| | | ANSC 2020 | Feeds & Feeding | 4 | | | |
| | | ANSC 4120 | Prin Mammalian Reproduction | 3 | | * | |
| | | | stemic anatomy and physiology/endocrinology | | | _ | |

| | | ANSC 4150 | Physiology of Ruminant Digestion | 3 | | |
|---|------|-----------------------------------|--|-----|---|---|
| | | PreReq: ANSC 3100 | | | | |
| | | ANSC 4220 | Adv Beef Production and Mgt | 3 | | |
| | | PreReq: ANSC 3100, 412 | | - | | |
| | _ ^ | | n Elective: Choose 1 of ANSC 3150 or 4230. | | | |
| | | ANSC 3150 | Equine Nutrition and Physiology | 3 | | |
| | | PreReq: 4 hrs life scienc | | | | |
| Ш | L | ANSC 4230 PreReg: ANSC 3100, 412 | Adv Sheep Production and Mgt | 3 | | |
| П | | ANSC 4540 | Prin Animal Breeding | 3 | | * |
| _ | | PreReq: STAT 2050 | | | | _ |
| | | PATB 4110 | Diseases of Food Animals | 3 | | * |
| | | PreReq: Junior standing | and 4 hours life science | | | · |
| | | REWM 2000 | Prin of Rangeland Mgt | 3 | | * |
| _ | | PreReq: LIFE 1010 | | | | |
| Ш | | REWM 2400 | Range Ecosystem and Plants | 4 | | _ |
| | | PreReq: REWM 2000 w | Poisonous Plants | • | | |
| Ц | | PreReq: 12 hrs biologica | | 3 | | |
| | | REWM 4330 | Range Ecosystem Assessment & Monitoring | 4 | | |
| | | PreReq: REWM 2000, 2 | | | | |
| | | LIFE 3400 | General Ecology | 3 | | |
| | | PreReq: LIFE 1010, 2022 | with C or better | | | |
| | Н | AGEC 1020 | Prin of Microeconomics | 3 | | |
| | | AGEC 2020 | Farm & Ranch Business Mgt | 4 | | |
| | | FDSC 2040 | Meat Animal Evaluation | 3 | • | |
| | | FDSC 3060 | Prin Meat Sci & Muscle Biology | 3 | | * |
| | | PreReq: CHEM 1000 and | | | | |
| | | LIFE 3050 | Genetics | 4 | | |
| | | PreReq: LIFE 2022 with | C or better | | - | |
| | PN | CHEM 1000 | Introductory Chemistry | 4 | | |
| | • | | th C or better or MATH ACT ≥ 23 or MPE ≥ 3 | | | |
| | _ or | _ | lective: Choose 1 of ANSC 2010 or CHEM 2300. | _ | | |
| Ш | | ANSC 2010 PreReg: CHEM 1000 | Domestic Animal Metabolism | 3 | _ | |
| П | | CHEM 2300 | Introductory Organic Chemistry | 3 | | |
| | _ | PreReq: CHEM 1000 or 1 | | - — | | |
| | Fre | ee Electives (to 128 | 3 total and/or 42 upper-division credit hours) | | | |
| | | NOTE: Include REWM 4 | 530 plus 3 additional UD hrs in REWM to qualify for REWM minor | | | |
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