



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

Substantive Program Modification Form

UNIVERSITY:	SDSU
CURRENT PROGRAM DEGREE:	Bachelor of Science (B.S.)
CURRENT PROGRAM MAJOR/MINOR:	Animal Science
CURRENT SPECIALIZATION:	Science Specialization
CIP CODE:	01.0901
UNIVERSITY DEPARTMENT:	Animal Science
BANNER DEPARTMENT CODE:	SANS
UNIVERSITY COLLEGE:	Agriculture, Food and Environmental Sciences
BANNER COLLEGE CODE:	3F

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Dennis D. Hedge

Vice President of Academic Affairs or
President of the University

4/3/2023

Date

1. This modification addresses a change in:

- | | |
|---|---|
| <input type="checkbox"/> Total credits required within the discipline | <input checked="" type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input checked="" type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |
| <input type="checkbox"/> Modification requiring Board of Regents approval | |

Must have prior approval from Executive Director or designee

2. Effective date of change: 2023-2024 Academic Year

3. Program Degree Level:

Associate ☐ Bachelor's ☒ Master's ☐ Doctoral ☐

4. Category:

Certificate ☐ Specialization ☒ Minor ☐ Major ☒

5. If a name change is proposed, the change will occur:

- ☐ On the effective date for all students
- ☐ On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name:

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Is the program being modified associated with a current articulation agreement?

Yes ☐ No ☒

- a. If yes, will the articulation agreement need to be updated with the partner institution following the approve of the program change? Please explain:

7. Primary Aspects of the Modification:

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
System General Education Requirement			32-34	System General Education Requirement			32-34
System General Education Requirement – Electives			9	System General Education Requirement – Electives			18
						SGR #1	3
						SGR #1	3
						SGR #2	3
		SGR #3	3			SGR #3	3
		SGR #4	3			SGR #4	3
		SGR #4	3			SGR #4	3
System General Education Requirement – Required			23-25	System General Education Requirement – Required			14-16
ENGL	101	Composition I (SGR #1)	3	ENGL	101	Composition I (SGR #1)	3
ENGL	201	Composition I (3) (SGR #1)	3	ENGL	201	Composition I (3) (SGR #1)	3
CMST	101	Fundamentals of Speech (SGR #2)	3	CMST	101	Fundamentals of Speech (SGR #2)	3
ECON	201	Principles of Microeconomics (SGR #3)	3	ECON	201	Principles of Microeconomics (SGR #3)	3
MATH OR MATH OR MATH OR MATH	114 115 121-121L 123	College Algebra (SGR #5) (3) MATH 115 Precalculus (SGR #5) (5) Survey of Calculus (SGR #5) (4,1) Calculus I (SGR #5) (4)	3-5	MATH OR MATH OR MATH OR MATH	114 115 121-121L 123	College Algebra (SGR #5) (3) MATH 115 Precalculus (SGR #5) (5) Survey of Calculus (SGR #5) (4,1) Calculus I (SGR #5) (4)	3-5
BIOL	151	General Biology I (SGR #6)	4	BIOL	151	General Biology I (SGR #6)	4
BIOL	151L	General Biology I Lab (SGR #6)	0	BIOL	151L	General Biology I Lab (SGR #6)	0
BIOL	153	General Biology II (SGR #6)	4	BIOL	153	General Biology II (SGR #6)	4
BIOL	153L	General Biology II Lab (SGR #6)	0	BIOL	153L	General Biology II Lab (SGR #6)	0
College Requirements			1	College Requirements			1
Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.				Students must complete a minimum of 11 credits from the approved list of Group 1 courses in Agriculture, Food and Environmental Science. Some departments require specific courses from the list, whereas others leave the selection entirely to the student and the advisor.			
		Group 1 Courses in Agriculture	1			Group 1 Courses in Agriculture	1
AS	101	Introduction to Animal Science (Major Requirement) (3)	--	AS	101	Introduction to Animal Science (Major Requirement) (3)	--
AS	101L	Introduction to Animal Science Lab (Major Requirement) (1)	--	AS	101L	Introduction to Animal Science Lab (Major Requirement) (1)	--
AS	241	Introduction to Meat Science (Major Requirement) (3)	--	AS	241	Introduction to Meat Science (Major Requirement) (2)	--
AS	241L	Introduction to Meat Science Lab (Major Requirement) (0)	--	AS	241L	Introduction to Meat Science Lab (Major Requirement) (1)	--
AS	319	Livestock Feeds and Feeding (Major Requirement) (3)	--	AS	319	Livestock Feeds and Feeding (Major Requirement) (2)	--
AS	319L	Livestock Feeds and Feeding Lab (Major Requirement) (0)	--	AS	319L	Livestock Feeds and Feeding Lab (Major Requirement) (1)	--
Major Requirements			76-78	Major Requirements			76-78
Animal Science Core Requirements			32-34	Animal Science Core Requirements			32-34
ACCT	210	Principles of Accounting I		ACCT	210	Principles of Accounting I	3
AS	101	Introduction to Animal Science	3	AS	101	Introduction to Animal Science	3
AS	101L	Introduction to Animal Science Lab	1	AS	101L	Introduction to Animal Science Lab	1

Existing Curriculum

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
AS	119	Opportunities in Animal and Veterinary Sciences	1	AS	119	Opportunities in Animal and Veterinary Sciences	1
AS OR VET	120	Survey of Animal Science (1)	1	AS OR VET	120	Survey of Animal Science (1)	1
	120	Introduction to Veterinary Science (1)			120	Introduction to Veterinary Science (1)	
AS	219	Principles of Animal Nutrition	3	AS	219	Principles of Animal Nutrition	3
AS	241	Introduction to Meat Science	3	AS	241	Introduction to Meat Science	2
AS	241L	Introduction to Meat Science Lab	0	AS	241L	Introduction to Meat Science Lab	1
AS	319	Livestock Feeds and Feeding	3	AS	319	Livestock Feeds and Feeding	2
AS	319L	Livestock Feeds and Feeding Lab	0	AS	319L	Livestock Feeds and Feeding Lab	1
AS	332	Livestock Breeding and Genetics	4	AS	332	Livestock Breeding and Genetics	4
AS	333	Livestock Reproduction and Lab	3	AS	333	Livestock Reproduction	2
AS	333L	Livestock Reproduction Lab	0	AS	333L	Livestock Reproduction Lab	1
AS	389	Current Issues in Animal Science	3	AS	389	Current Issues in Animal Science	3
VET	403	Animal Diseases and their Control	3	VET	403	Animal Diseases and their Control	3
		Select one of the following: ABS 482 International Experience AS 322 Advanced Livestock Evaluation AS 400 Judging Team AS 494 Internship AS 498 Undergraduate Research/Scholarship	1-3			Select one of the following: ABS 482 International Experience AS 322 Advanced Livestock Evaluation AS 400 Judging Team AS 494 Internship AS 498 Undergraduate Research/Scholarship	1-3
Animal Science - Science Specialization			44	Animal Science - Science Specialization			44
		Select <u>6</u> credits from the following courses: **Restriction: one course must be AS 474-474L, AS 475-475L, AS 476-476L, AS 477-477L, or AS 478-478L) • AS 445-445L Value-Added Meat Products and Lab (3,0) • AS 450 Meat Product Safety and HACCP (3) • AS 474-474L Cow/Calf Management and Lab (3,0) • AS 475-475L Feedlot Operations and Management and Lab (3,0) • AS 476-476L Horse Production and Lab (3,0) • AS 477-477L Sheep and Wool Production and Lab (3,0) • AS 478-478L Swine Production and Lab (3,0)	6			Select <u>6</u> credits from the following courses: **Restriction: one course must be AS 474-474L, AS 475-475L, AS 476-476L, AS 477-477L, or AS 478-478L) • AS 445-445L Value-Added Meat Products and Lab (2,1) • AS 450 Meat Product Safety and HACCP (3) • AS 474-474L Cow/Calf Management and Lab (2,1) • AS 475-475L Feedlot Operations and Management and Lab (2,1) • AS 476-476L Horse Production and Lab (2,1) • AS 477-477L Sheep and Wool Production and Lab (2,1) • AS 478-478L Swine Production and Lab (2,1)	6
CHEM	112	General Chemistry I	3	CHEM	112	General Chemistry I	3
CHEM	112L	General Chemistry I Lab	1	CHEM	112L	General Chemistry I Lab	1
CHEM	114	General Chemistry II	3	CHEM	114	General Chemistry II	3
CHEM	114L	General Chemistry II Lab	1	CHEM	114L	General Chemistry II Lab	1
CHEM	326	Organic Chemistry I	3	CHEM	326	Organic Chemistry I	3
CHEM	326L	Organic Chemistry I Lab	1	CHEM	326L	Organic Chemistry I Lab	1
CHEM	328	Organic Chemistry II	3	CHEM	328	Organic Chemistry II	3
CHEM	328L	Organic Chemistry II Lab	1	CHEM	328L	Organic Chemistry II Lab	1
CHEM	464	Biochemistry I & Lab	3	CHEM	464	Biochemistry I & Lab	3
MICR OR MICR	231-231L	General Microbiology & Lab (4,0)	4	MICR OR MICR	231-231L	General Microbiology & Lab (4,0)	4
	233-233L	Introductory Microbiology and			233-233L	Introductory Microbiology and Lab	

Existing Curriculum

Proposed Curriculum (highlight changes)

Existing Curriculum				Proposed Curriculum (Suggested Changes)			
Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
		Lab (4,0)				(3,1)	
NRM OR STAT	282-282L 281	Natural Resource Statistics and Lab (3) Introduction to Statistics (3)	3	NRM OR STAT	282-282L 281	Natural Resource Statistics and Lab (2,1) Introduction to Statistics (3)	3
PHYS AND PHYS OR PHYS AND PHYS	111-111L 113-113L 211-211L 213-213L	Intro to Physics I & Lab (4) Intro to Physics II & Lab (4) University Physics I & Lab (4) University Physics II & Lab (4)	8	PHYS AND PHYS OR PHYS AND PHYS	111-111L 113-113L 211-211L 213-213L	Intro to Physics I & Lab (3,1) Intro to Physics II & Lab (3,1) University Physics I & Lab (4) University Physics II & Lab (4)	8
VET	223	Anatomy and Physiology of Domestic Animals	4	VET	223	Anatomy and Physiology of Domestic Animals	3
VET	223L	Anatomy and Physiology of Domestic Animals Lab	0	VET	223L	Anatomy and Physiology of Domestic Animals Lab	1
Electives			7-11	Electives			8-12
Summary of Credits Animal Science (B.S.) – Science Specialization							
System General Education Requirement			32-34	System General Education Requirement			32-34
College Requirements			1	College Requirements			1
Major Requirements			76-78	Major Requirements			76-78
Electives			7-11	Electives			8-12
Total number of hours required for specialization			100-104	Total number of hours required for specialization			91-95
Total number of hours required for degree			120	Total number of hours required for degree			120

8. Explanation of the Change:

Removed a specific course selection from SGR #1 and SGR #2 to allows students more flexibility in meeting their System General Education requirements.

The College of Agriculture, Food and Environmental Sciences has eliminated the college requirement to complete 11 credits from the Group 1 list. AS 101-101L Introduction to Animal Science and Lab (3, 1 cr.), AS 241-241L Introduction to Meat Science and Lab (2, 1 cr.), and AS 319-319L Livestock Feeds and Feeding (2, 1 cr.) fulfilled the college requirement and major requirements.

Departments have updated zero credit lab courses. The credits between the lecture and labs were adjusted to accurately reflect contact time.