

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:	Dairy Production
CURRENT SPECIALIZATION:	N/A
CIP CODE:	01.0905
UNIVERSITY DEPARTMENT:	Dairy and Food Science
BANNER DEPARTMENT CODE:	SDFS
UNIVERSITY COLLEGE:	Agricultural, Food & 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		4/3/2023					
	Vice President of Academic Affairs	or	Date					
	President of the University							
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1.	This modification addresses a change in:							
\ge	Total credits required within the discipline	\boxtimes	Total credits of supportive course work					
\ge	Total credits of elective course work		Total credits required for program					
	Program name		Existing specialization					
] CIP Code		Other (explain below)					
	Modification requiring Board of Regents ap	proval						
	Must have prior approval from Executive D	Director	· or designee					
2.	Effective date of change: 2023-2024 Academi	ic Yeaı	•					
3.	Program Degree Level:							
	Associate 🗆 Bachelor's 🖂	Master	's 🗌 Doctoral 🗌					
4.	Category:							
	Certificate \Box Specialization \Box	Min	or 🗌 Major 🖂					
5.	If a name change is proposed, the change wil	l occur	••					
	\Box 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	g relate	d articulation agreements, site approvals,					
-	etc.	_						
6.	Is the program being modified associated with	th a cu	rrent 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: The department will work with the college to identify changes.
- 7. Primary Aspects of the Modification:

	Existing Curriculum (highlight changes)							
Pref. Num. Title		Cr. Hrs.	Pref.	Pref. Num. Title		Cr. Hrs.		
Systems General Education Requirements		31-34	System	Systems General Education Requirements				
Systems	General E	ducation Requirements – Electives	9	Systems General Education Requirements – Elect		ducation Requirements – Electives	18	
						SGR #1	3	
						SGR #1	3	
						SGR #2	<u>3</u>	
		SGR #3	3			SGR #3	3	
		SGR #4	3			SGR #4	3	
		SGR #4	3			SGR #4	3	
Systems	Conoral F	ducation Requirements - Required	22-25	Systems Ceneral Education Requirements - Required			13-16	
ENGL	101	Composition I (SGR #1)	3	ENCL	NGL 101 Composition L (SCP #1)		2	
ENCL	201		2	ENCL	201			
ENGL	201	Composition I (3) (SGR #1)	3		201	Composition I (3) (SGK #1)	<mark>, ⇒</mark>	
UK	777	(SCD #1)			277	Feedback writing in Engineering (3)		
ENGL	2//	(SGR #1) Evendementals of Spaceh (SCD #2)	2	CMCT	2//	(SGR #1) Evendomontals of Spaceh (SCR #2)	2	
ECON	201	Principles of Microscopomics (2)	3	ECON	201	Principles of Microsconomics (2)	3	
OP	201	(SCP #3)	5	OP	201	(SCP #2)	5	
ECON	202	(SOR #5) Principles of Macroeconomics (3)		ECON	202	(SOR #3) Principles of Macroeconomics (3)		
LCON	202	(SGR #3)		LCON	202	(SGR #3)		
MATH	114	College Algebra (3)	3-5	MATH	114	College Algebra (3)	3-5	
OR			55	OR		conege ingeoir (5)	55	
MATH	115	Precalculus (5)		MATH	115	Precalculus (5)		
CHEM	106-106L	Chemistry Survey and Lab (3,1)	4	CHEM	106-106L	Chemistry Survey and Lab (3,1)	4	
OR				OR				
CHEM	112-112L	General Chemistry and Lab (3, 1)		CHEM	112-112L	General Chemistry and Lab (3, 1)		
BIOL	101-101L	Biology Survey I and Lab (2,1)	3-4	BIOL	101-101L	Biology Survey I and Lab (2,1)	3-4	
OR				OR				
BIOL	151-151L	General Biology and Lab (4,0)		BIOL	151-151L	General Biology and Lab (4,0)		
College	Requireme	ents	12	College Requirements				
Students	must comp	lete a minimum of 11 credits from the		Students must complete a minimum of 11 credits from the				
approved	l list of Gro	up 1 courses in Agriculture, Food and		approve	approved list of Group 1 courses in Agriculture, Food and			
Environi	nental Scier	nce. Some departments require specific		Enviror	imental Scie	nce. Some departments require specific		
courses f	rom the list	t, whereas others leave the selection		courses	from the list	t, whereas others leave the selection		
		Form and Banch Management	2		$\frac{10 \text{ mc stude}}{271}$	Earm and Banch Management	2	
AGEU	2/1	Livestock Feeds and Feeding	2		210	Livesteek Feeds and Feeding	• •	
	319	Livestock Feeds and Feeding Lab	0		2101	Livestock Feeds and Feeding Lab		
DS	130	Introduction to Dairy Science	3		120	Introduction to Dairy Science	2 2	
DS	1301	Introduction to Dairy Science Lab	0		1201	Introduction to Dairy Science Lab		
PS	103	Crop Production	2		102	Crop Production	2	
PS	103	Crop Production Lab	1		102I	Crop Production Lab	1	
15	103L		1				±	
Major Requirements		67-69	Maior	Major Requirements		<mark>79-81</mark>		
Trajor I			0, 0)	AGEC	271	Farm and Ranch Management	3	
AS	219	Principles of Animal Nutrition	3	AS	219	Principles of Animal Nutrition	3	
				AS	319	Livestock Feeds and Feeding	2	
				AS	319L	Livestock Feeds and Feeding Lab	1	
AS	333	Livestock Reproduction	3	AS	333	Livestock Reproduction	2	
AS	333L	Livestock Reproduction Lab	0	AS	333L	Livestock Reproduction Lab	1	
							• •	

	Existing Curriculum (highlight changes)					osed Curriculum (<mark>highlight changes</mark>)		
Pref.	Num.	Title	Cr. Hrs.	Pref. Num. Title		Cr. Hrs.		
AS/AST	463	Agricultural Waste Management	3	AS/ AST	463 Agricultural Waste Management		3	
BIOL	103-103L	Biology Survey II & Lab (2,1)	3-4	BIOL 103-103L Biology Survey II & Lab (2,1)			3-4	
BIOL	153-153L	General Biology & Lab (4,0)		BIOL 153-153L General Biology & Lab (4,0)				
BIOL OR	371	Genetics (3)	3-4	BIOL OR	371	Genetics (3)	3-4	
AS	332	Livestock Breeding and Genetics (4)		AS	332	Livestock Breeding and Genetics (4)		
CHEM	108	Organic and Biochemistry	4	CHEM	108	Organic and Biochemistry	4	
CHEM	108L	Organic and Biochemistry Lab	1	CHEM	108L	Organic and Biochemistry Lab	1	
DS	119	First Year Seminar – Dairy and Food Science	2	DS	S 119 First Year Seminar – Dairy and Food Science			
				<mark>DS</mark>	DS 130 Introduction to Dairy Science			
				<mark>DS</mark>	DS 130L Introduction to Dairy Science Lab			
DS	202	Dairy Products Judging	1	DS	202	Dairy Products Judging	1	
DS	301	Dairy Microbiology & Lab	4	DS	301	Dairy Microbiology & Lab	<mark>2</mark>	
DS	301L	Dairy Microbiology Lab	0	DS	301L	Dairy Microbiology Lab	2	
DS	311	Dairy Cattle Judging	2	DS	311	Dairy Cattle Judging	2	
DS	312	Dairy Cattle Breeding and Evaluation	4	DS	312	Dairy Cattle Breeding and Evaluation	2	
DS	312L	Dairy Cattle Breeding and Evaluation Lab	0	DS	312L	Dairy Cattle Breeding and Evaluation Lab	2	
DS	413	Physiology of Lactation	4	DS	413	Physiology of Lactation	<mark>3</mark>	
DS	413L	Physiology of Lactation Lab	0	DS	413L	Physiology of Lactation Lab	1	
DS	480	Dairy Farm Operations I	4	DS	480	Dairy Farm Operations I	<mark>3</mark>	
DS	480L	Dairy Farm Operations I Lab	0	DS	480L	Dairy Farm Operations I Lab	1	
DS	481	Dairy Farm Operations II	4	DS	481	Dairy Farm Operations II	<mark>3</mark>	
DS	481L	Dairy Farm Operations II Lab	0	DS	481L	Dairy Farm Operations II Lab	1	
DS	490	Seminar	1	DS	490	Seminar	1	
DS	494	Internship	3	DS	494	Internship	3	
MICR	231	General Microbiology	4	MICR	231	General Microbiology	4	
MICR	231	General Microbiology Lab	0	MICR	MICP 231 General Microbiology		0	
DUVC	101 1011	Survey of Physics & Lab (4.0)	4	DHVS 101 1011 Survey of Dhygiog & Lab (2.1)		4		
OR PHYS	111-111L	Introduction to Physics & Lab (4,0)	-	OR PHYS	OR PHYS 111-111L Introduction to Physics & Lab (3,1)			
OR	211 2111	University Physics & Lab (4.0)			OR PHYS 211-2111 University Physics & Lab (4,0)			
11115	211-211L	Chiversity Thysics & Lab (4,0)			102	Cree Draductice	0	
					103	Crop Production Lab	<u>2</u>	
PS	213-213L	Soils and Lab (3)	3	PS	213-213L	Soils and Lab (3)	3	
OR PS	313	Forage Crop and Pasture Management		OR PS	313	Forage Crop and Pasture Management		
VET	223	Anatomy and Physiology of Domestic Animals	4	VET	223	Anatomy and Physiology of Domestic Animals	<mark>3</mark>	
VET	223L	Anatomy and Physiology of Domestic Animals Lab	0	VET 223L Anatomy and Physiology of Domesti Animals Lab		1		
VET	403	Animal Disease and Their Control	3	VET 403 Animal Disease and Their Control		3		
Floot			5 10	Floot			5 10	
		5-10	Elective	es		5-10		
		Summary of Cr	edits in	in Dairy Production (B.S.)				
System General Education Requirements		31-34	System General Education Requirements			31-34		
College Requirements			12	College Requirements			<mark>12</mark>	
Major Requirements			67-69	Major	Requiremen	nts	<mark>79-81</mark>	
Electives			5-10	Electives			5-10	
Total number of hours required for major			101- 106	Total number of hours required for major				

Existing Curriculum				Proposed Curriculum (<mark>highlight changes</mark>)				
Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title		Cr. Hrs.
	Т	otal 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 allow 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. The courses listed as part of the college requirement have realigned to the major requirements.

PHYS 211-211 University Physics I & Lab (4, 0) changed from variable (3-4/0-1) to only 4,1 so that common courses will have common credits. A separate 3+1-credit course sequence (PHYS 207-207L Fundamentals of Physics I & Lab) was added in parallel to serve engineering students. PHYS 211-211 University Physics I & Lab has been removed from the program requirements.

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