



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

**Revised Course Request: Unique Course
(Substantive Modification)**

SDSU Institution	Vikram Mistry Form Initiator	Don Marshall Dean's Approval Signature	8/13/2018 Date
	Agriculture, Food & Environmental Sciences / Dairy & Food Science Division/Department	Dennis D. Hedge Institutional Approval Signature	10/14/2018 Date

Section 1. Existing Course Title and Description

Prefix & No.	Course Title	Credits
DS 413	Physiology of Lactation	3
DS 513	Physiology of Lactation	3

Course Description

Anatomy, physiology, and biochemistry of mammary glands. Factors affecting quality and quantity of milk.

Section 2. Modification(s) Requested

2.1. This modification will include:

Addition/deletion of a lab/lecture component (explain below)

In the past this course was taught only through lectures. However, students were not able to practice what they theoretically learned in the classroom and many of them reported in the final course evaluation the desire for lab sessions. In this sense, these lab sessions will help students to think, integrate and develop practical skills along with increasing understanding of the material presented in the classroom in a more dynamic environment.

Prefix & No.	Course Title	Credits
DS 413L	Physiology of Lactation Lab	0
DS 513L	Physiology of Lactation Lab	0

DS 413L Course Description

Lab to accompany DS 413

DS 513L Course Description

Lab to accompany DS 513.

If the addition of a lab/lecture component requires a change in pre-requisites or co-requisites, indicate below:

The lecture and lab should be set up as coreqs.

Will the grade for this lab/lecture component be limited to S/U (pass/fail)? Yes No

Will section enrollment for the lab/lecture component be capped? Yes, max per section: 24

Change to existing unique course:

Prefix & No.	Course Title	Credits
DS 413	Physiology of Lactation	3
DS 513	Physiology of Lactation	3

Effective term of the change: Spring 2020

Explain any additional minor changes proposed at this time below (if needed):

Credit hours 3 to 4

Course description (that does not change course content). Complete table below:

Existing description:

Anatomy, physiology, and biochemistry of mammary glands. Factors affecting quality and quantity of milk.

New description:

A study of the anatomical, biochemical and physiological factors in the mammary gland that regulate mammary development, milk synthesis and secretion, and impact milk quality and udder health. Machine milking settings and troubleshooting related to milking efficiency, animal handling in the milking parlor and milking procedures will be also covered.

2.2. Add justification for all changes noted above:

In the past this course was taught only through lectures. However, students were not able to practice what they theoretically learned in the classroom and many of them reported in the final course evaluation the desire for Lab sessions. In this sense, these lab sessions will help students to think, integrate and develop practical skills along with increasing understanding of the material presented in the classroom in a more dynamic environment.

Section 3. Other Course Information

3.1. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course database (Colleague and the Course Inventory Report)? Yes No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

<input type="checkbox"/> Change in University Department Code	<u>Current</u>			<u>New</u>
	SDFS	to		No change
<input type="checkbox"/> Change in CIP Code	01.0905	to		No change