



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

**Substantive Program Modification Form**

<b>UNIVERSITY:</b>	<b>SDSU</b>
<b>CURRENT PROGRAM TITLE:</b>	<b>Plant Science (M.S.)</b>
<b>CIP CODE:</b>	<b>01.1102</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Agronomy, Horticulture, &amp; Plant Science</b>
<b>UNIVERSITY DIVISION:</b>	<b>Graduate School</b>

**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
12/11/2018  


---

Vice President of Academic Affairs or  
President of the University
Date

**1. This modification addresses a change in:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input 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 type="checkbox"/> Existing specialization                 |
| <input type="checkbox"/> CIP Code  | <input type="checkbox"/> Other (explain below)                   |

**2. Effective date of change:** 2019-2020 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:

**6. Primary Aspects of the Modification:**

*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
PS	781	Plant Science Graduate Seminar (1 cr.) (completed over two semesters)	2	PS	781	Plant Science Graduate Seminar (1 cr.) (completed over two semesters)	2
PS	792	Topics: Teaching Experience	1	PS	792	Topics: Teaching Experience	2
Select one of the following options				Select one of the following options			
<i>Option A - Thesis</i>			27	<i>Option A - Thesis</i>			26
		Approved Electives	27	PS	798	Thesis	5-10
<i>Option B - Research/Design Paper</i>			29	<i>Option B - Research/Design Paper</i>			28
		Approved Electives	29	PS	788	Master's Research Problems/Projects	3-4
				Approved Electives			24-25
Total number of hours required for major				Total number of hours required for major			
			Option A				Option A
			Option B				Option B

<i>Existing Curriculum</i>		<i>Proposed Curriculum (highlight changes)</i>	
Total number of hours required for degree		Total number of hours required for degree	
Option A	30	Option A	30
Option B	32	Option B	32

## 7. Explanation of the Change:

Students must register for PS 792 Topics: Teaching Experience which is a 1 credit per semester core requirement for the degree. The course provides an opportunity to assist a laboratory instructor in exercise planning, laboratory equipment set-up, procedures, and interactions with undergraduate students. The Agronomy, Horticulture, and Plant Science faculty voted to increase the number of credits for PS 792 for the M.S. degree from 1 to 2 credits. This will provide the student with a second teaching experience in a different semester which should instill more confidence as they interact professionally in a formal classroom setting as well as developing skills in communicating technical information to students and others in informal teaching and learning settings.

In addition, the previous catalog description contained no specific course requirements for Options A and B. These changes provide more specifics about the coursework.