

PROGRAM COMPONENT (Group B) OR NON-SUBSTANTIVE MINOR REQUEST FORM (Short Form)

Instructions: Please use one form for each request/action. Clearly mark all changes using either (1) Track Change or (2) strikethroughs for deletions and underlines for additions. Following the approval of the appropriate college curriculum committee, the **department chair** will e-mail the completed form to gracemiller@uidaho.edu.

Deadline: This form must be submitted by October 1 for inclusion in the next available General Catalog and to be available for scheduling beginning with the next summer session.

When applicable, a Curriculum Change Form and Course Approval Forms must accompany the short form.

Submission Information

This section must be completed

Dept Chair Name:	Dr. Paul McDaniels	Email:	paulm@uidaho.edu
College:	CAL S		
Department/Unit:	Plant Sciences		
Dept/Unit Approval Date:	September 13, 2017	Vote Record:	Unanimous
College Approval Date:	9/28/2017	Vote Record:	Unanimous
Primary Point of Contact:	Jack Brown	Email:	jbrown@uidaho.edu
Briefly describe the change you are requesting:	The New Plant Sciences Department restructured their major undergraduate degrees, adding a Major in Crop Management to the B.Sc. In Plant Science. This proposed curriculum change is to add a minor in the Crop Management Major. All students must complete: PS 102, PS 407, AGEC 278, and two from PS 408, 451 or 490. Plus 6 credits of electives from PS 338, PS 408, PS 438, PS 446, PS 451, PS 490, ASM 305, ASM 315, ASM 412, AGEC 356 or 477, Soil 205&206, Soil 446.		

What is the financial impact of the requested change?

Greater than \$250,000 per FY:	<input type="checkbox"/>	Less than \$250,000 per FY:	<input checked="" type="checkbox"/>
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****Note: If financial impact is greater than \$250,000, you must complete a Program Proposal form.**

Describe the financial impact: Minimal/None anticipated. This proposed addition of the Crop Management Minor will utilize existing courses.

Rationale for Program Component Request or Name Change

This section must be completed

Explain the change you are requesting, and provide a rationale for this request. Include an explanation of how the department will manage the added workload for a new program component; describe whether the program component curriculum and admissions requirements remain the same; describe the rationale for a name change or degree designation change, if applicable.

Adding the Crop Management Minor as an option will allow students with other Major B.Sc. degrees the opportunity to complete a minor which covers the basic course work in Crop Management (including classes in Plant Science, Agricultural Economics, and Agricultural Systems Management). Students who complete the proposed Minor will have broader opportunities in agricultural careers, and will make them more competitive in the job market.

Name or Degree Change Only Requests

Leave blank if not making a name and/or degree change only request

This section to be completed **ONLY** for changes to the name of: degree, major, minor, option, emphasis, certificate, teaching endorsement.

Current Name:	
New Name:	
Current Degree:	
New Degree:	
Other Details:	

Effective Date:	
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Please indicate if any course or curriculum changes are occurring as a result of this name or degree change request: Yes No

If there are accompanying curriculum or course changes, complete the next section and attach the curriculum and/or course forms.

Note: A substantive change to a program degree, major, or program component may require a program proposal form.

Please indicate whether 25% or more of the program learning outcomes are changing: Yes No

Note: If you answered YES to this question, complete the table below:

	List Old Learning Outcomes	New Learning Outcome, if changed <i>(if no change, write N/A and move to next outcome)</i>	New Direct Measure <i>(list student work product and explain how it will be evaluated)</i>	Have you updated the assessment cycle to include this change? <i>(yes/no)</i>
SLO#1				
SLO#2				
SLO#3				
SLO#4				
SLO#5				

Program Component Request

Note: Leave blank if not adding, discontinuing, or modifying a program component. Program components consist of option, emphasis, minor, academic certificate less than 30 credits, or teaching endorsement

Clearly mark all changes to existing program components by using either (1) Track Change or (2) strikethroughs for deletions and underlines for additions. A curriculum change form and/or course approval forms associated with this request are required to be submitted with this short form.

x	Create New		Discontinue	Implementation Date:		
	Graduate Level	x	Undergraduate Level	Law Level	Credit Requirement:	21-22 Cr
Are new courses being created: (circle your response)				No	Yes	If yes, how many courses will be created:

If the request is for an option or emphasis, enter the associated major and degree:

Major:		CIP Code:	01.0304	Degree:	
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Enter the name of the program component in the appropriate row:

Option:	
Emphasis:	-
Minor:	Crop Management
Academic Certificate less than 30 credits:	-
Teaching Endorsement (Major/Minor):	-

Provide a summary/description of the program component using 50 words or less:

This Minor will provide students an understanding of crop production and management practices. Course work includes classes in crop plants, crop production, agricultural economics, and management of major crops grown in the PNW region. In addition students can choose a variety of agricultural classes to fit their specific interests.

Learning Outcomes and Assessment Information

Note: This section must be completed if program component request section is completed

1. List the intended learning outcomes for the program component. Use learner centered statements that indicate what will students know, be able to do, and value or appreciate as a result of completing the program: Learn and integrate knowledge in crop management and to integrate this information across biology, plant science, and ag business management. Apply thinking strategies to real-world issues to solve problems and make consequential decisions in the area of crop management. Communicate the intended meaning using verbal and non-verbal methods to demonstrate understanding in a complex society.

2. Describe the assessment process that will be used to evaluate how well students are achieving the intended learning outcomes of the program component:
Demonstrated ability to apply academic knowledge to real-world problems and controversies; performance on parts of standardized exams that assess ability to integrate and synthesize various concepts. <u>Indirect Measure Process (per our current protocols and metrics):</u> Student evaluations of teaching; student grades in core courses, including performance on lecture exams, laboratory exams, class projects, and term papers. <u>Face-to-Face Measures (per our current protocols and metrics):</u> Exit interviews with graduating seniors, including overall assessment of minor program. Academic advising will also be assessed in order to improve student knowledges about careers in the proposed minor.
3. How will you ensure that the assessment findings will be used to improve the program?
The new Department of Plant Sciences Curriculum Committee will oversee assessment measures and outcomes as well as recommend curricular changes to improve the minor as needed.
4. What direct and indirect measures will be used to assess student learning?
<u>Direct Benchmarks (per our current protocols and metrics):</u> At least 80% of students pass standardized tests; at least 80% of employers are satisfied with performance of student interns; at least 75% of students actively participate in club/organization and/or service learning activities. <u>Indirect Benchmarks (per our current protocols and metrics):</u> Student evaluations of course and instructor quality in courses required by minor should be 3 or higher; students should receive a grade of C or higher in all courses required for the minor.
5. When will assessment activities occur and at what frequency?
Learning Outcomes Assessment as outlined will occur prior to each Academic Year. New or adjusted procedures and metrics will be developed by Plant Sciences faculty members as needed for the proposed plant science majors.

Distance Education Availability

This section must be completed if program component request section is completed

To comply with the requirements of the Idaho State Board of Education (SBOE) and the Northwest Commission on Colleges and Universities (NWCCU), the University of Idaho must declare whether 50% or more of the curricular requirements of a program may be completed via distance education. **If the program component is to be offered via distance education, additional or different formwork may be required.** Contact provost@uidaho.edu for assistance.

The U.S. Department of Education defines distance education as follows:

Distance education means education that uses one or more of the technologies listed below to deliver instruction to students who are separated from the instructor and to support regular and substantive interaction between the students and the instructor, either synchronously or asynchronously. The technologies may include--

- (1) *The internet;*
- (2) *One-way and two-way transmissions through open broadcast, closed circuit, cable, microwave, broadband lines, fiber optics, satellite, or wireless communications devices;*
- (3) *Audio conferencing; or*
- (4) *Video cassettes, DVDs, and CD-ROMs, if the cassettes, DVDs, or CD-ROMs are used in a course in conjunction with any of the technologies listed in paragraphs (1) through (3).*

Can 50% or more of the curricular requirements of this program component be completed via distance education?	Yes*		No	x
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*If Yes, can 100% of the curricular requirements of this program component be completed via distance education?	Yes		No	x
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Geographical Area Availability

This section must be completed if program component request section is completed

Identify the geographical area(s) this program component can be completed in:

Moscow	x		
Coeur d'Alene			
Boise*			
Idaho Falls*			
Other**		Location(s):	

*Note: Programs offered in locations other than Moscow may require additional formwork from the State Board of Education. Contact the Office of the Provost and Executive Vice President for additional information.

**Note: If Other is selected, identify the specific area(s) this program component will be offered.

Crop Management Minor Curricular Requirements

PISc 102	The Science of Plants in Agriculture	(3 cr)
PISc 407	Field Crop Production	(3 cr)
AGEC 278	Farm and Agribusiness Management	(4 cr)

Two of the following:

PISc 408	Cereal Science	(3 cr)
PISc 451	Vegetable Crops	(3 cr)
PISc 490	Potato Science	(3 cr)

Electives (6 cr):

AGEC 356	Agricultural and Rural Policy	(3 cr)
	OR	
AGEC 477	Law, Ethics, and the Environment	(3 cr)
ASM 305	GPS and Precision Agriculture	(3 cr)
ASM 315	Irrigation Systems and Water Management	(3 cr)
ASM 412	Agricultural Safety and Health	(2 cr)
PISc 338	Weed Control	(4 cr)
PISc 408	Cereal Science	(3 cr)
PISc 438	Pesticides in the Environment	(3 cr)
PISc 446	Plant Breeding	(3 cr)
PISc 451	Vegetable Crops	(3 cr)
PISc 490	Potato Science	(3 cr)
Soil 205	The Soil Ecosystem	(3 cr)
	AND	
Soil 206	The Soil Ecosystem Lab	(1 cr)
Soil 446	Soil Fertility	(1-3 cr, max 3)