SOUTH DAKOTA BOARD OF REGENTS
New Course Request

SDSU  Animal Science  Laurie Stenberg Nichols  3/27/2012
Institution  Division/Department  Institutional Approval Signature  Date

Section 1. Course Title and Description

If the course contains a lecture and laboratory component, identify both the lecture and laboratory numbers (xxx and xxxL) and credit hours associated with each. Provide the complete description as it will appear in the system common or unique database, including pre-requisites, co-requisites, and registration restrictions.

Prefix & No.  Course Title  Credits
AS 304  Swine Manure and Nutrient Management  1

Course Description: Function, application, and advantages and disadvantages of nutrient management systems. Manure production rates, manure handling systems, storage and manure management planning for land application and odor mitigation strategies. Understanding the connection conscientious manure management provides between livestock and crop production.

Section 2. Review of Course

Will this be a common or unique course? (select the appropriate option below)

X  This course will be a unique course. (Go to Section 3.)

Section 3. Other Course Information

1. Are there instructional staffing impacts?

   No, schedule management. Explain: This course will be offered as an online course and taught by faculty members from partner institutions in the GP-IDEA consortium.

2. Existing program in which course will be offered:

   Animal Science

3. Proposed instructional method:  R - Lecture

   (may be found at http://www.sdbor.edu/administration/academics/aac/guidelines.htm)

   Provide a brief justification: Material will be presented as voice-over PowerPoint presentations or videos. Students will proceed through the course at their own pace for a set term.

4. Proposed primary delivery:  018 – Internet synchronous
5. Term in which change will be effective: Summer 2012

6. Can this course be repeated for additional credit? 
   _____ Yes, total credit limit: _____  _____ X  No.

7. Will the grade for this course be limited to S/U (pass/fail)?  
   _____ Yes  _____ X  No

8. Will section enrollments be capped? 
   _____ X  Yes, maximum per section 20  _____ No

9. Will this course be equated (i.e. considered the same course for degree completion) with any other unique or common course in the course database? 
   _____ Yes  _____ X  No

10. Is this prefix already approved for your university? 
    _____ X  Yes  _____ No

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**Section 4. To be completed by Academic Affairs**

1. University department code: SAS

2. Proposed CIP code: 010901
   
   Is this a new CIP code for this university? _____ Yes  _____ X  No
NEW COURSE REQUEST  
Supporting Justification for On-Campus Review

Dr. Bob Thaler  
Request Originator  
Signature  
Date  
1-29-12

Dr. Clint Rusk  
Department Chair  
Signature  
Date  
1-25-2012

Dr. Don Marshall  
School/College Dean  
Signature  
Date  
2/21/

1. Provide specific reasons for the proposal of this course and explain how the changes enhance the curriculum.
   The pork industry of today looks much different than the pork industry of ten years ago. Pork operations are larger and much more technologically advanced than their counterparts. This new industry needs employees who are educated in pork production systems and have a strong background in swine science.
   In 2012, there are about 660 students enrolled in swine production in the nation’s universities compared to over 900 just five years ago. This is a reflection not of demand, but rather availability because during this time 12 four-year agricultural schools in 11 states dropped swine education from their curriculum. Because of the decline, in both educational opportunities and the number of students taking swine production courses, employers in the pork industry are finding it difficult to find academically educated individuals to fill open positions within their organizations.
   Offering this course will enhance the Animal Science curriculum by providing SDSU students with an opportunity to take a course not offered on campus.

2. Note whether this course is:     Required     X     Elective

3. In addition to the major/program in which this course is offered, what other majors/programs will be affected by this course?
   This course may be attractive to students in other majors including Agriculture and Biosystems Engineering; Agriculture and Resource Economics; Agriculture Business; Agriculture Education, Communication, and Leadership; Agriculture Systems Technology; and Agronomy.

4. If this will be a dual listed course, indicate how the distinction between the two levels will be made.

5. Desired section size  
   20

6. Provide qualifications of faculty who will teach this course. List name(s), rank(s), and degree(s).
   Dr. Jay Harmon, Ph.D, P.E., Professor, Ag & Biosystems Engineering, Iowa State University

7. Note whether adequate facilities are available and list any special equipment that will be needed for the course.
   Students must have access to a computer in order to participate in this course.

8. Note whether adequate library and media support are available for the course. Yes, they are adequate.

9. Will the new course duplicate courses currently being offered on this campus?
   X Yes    No

10. If this course may be offered for variable credit, explain how the amount of credit at each offering is to be determined.-NA-

COURSE FORM #5  
Updated 03/2007