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 306 Swine Breeding and Gestation Management 1

Course Description: Concepts related to: reproductive physiology and endocrinology of boars and sows; genetic selection programs; development programs for future replacement gilts and boars; semen collection, evaluation, and preparation; detection of estrus and artificial insemination; pregnancy diagnosis; feeding and housing programs for gestating sows; environmental management; records; diseases; and development of quality assurance programs for identifying and solving reproductive problems.

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?

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

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

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

   If yes, indicate the course(s) to which it will be equated.

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 ______ 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. William (Billy) Flowers, Ph.D. Professor of Reproductive Physiology, North Carolina 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 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