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.

<table>
<thead>
<tr>
<th>Prefix &amp; No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>AS 302</td>
<td>Swine Environment Management</td>
<td>1</td>
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</table>

Course Description: Response of swine to thermal environment, ventilation system design and analysis, heating and cooling systems and examples of various designs for all phases of production. Troubleshooting ventilation systems and energy analysis of production units.

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 through GP-IDEA and will be taught by faculty members at partner institutions.

2. Existing program in which course will be offered: Animal Science

3. Proposed instructional method: R - Lecture

   Provide a brief justification: Material will be presented as voice-over PowerPoint presentations or videos.

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 ________ _______ 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     Robert Thaler  1-29-12
Request Originator Signature Date

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

Dr. Don Marshall   Don Marshall   2/21/12
School/College Dean Signature Date

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. 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.
   -NA-

9. Will the new course duplicate courses currently being offered on this campus?
   _______ Yes  _______ 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-

COURSE FORM #5
Updated 03/2007