SOUTH DAKOTA BOARD OF REGENTS
Certificate Request

This form is to be used to request approval for a new certificate program that includes currently offered courses. A certificate program is not a major or minor. Refer to BOR policy 2:23 Certificate Programs.

<table>
<thead>
<tr>
<th>SDSU Institution</th>
<th>Animal Science Division/Department</th>
<th>Laurie Stenberg Nichols Institutional Signature</th>
<th>Approval Date</th>
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<td>3/27/2012</td>
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1. Name of Program: Swine Science Certificate

2. Provide a justification for the program.
The purpose of this program is to provide current and future swine professionals (i.e. producers, managers, breeders, and teachers) and others with distance education opportunities that lead to a certificate in Swine Science, and also opportunities for advancement in the swine industry. The pork industry of today looks much different than the pork industry of twenty 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.

Offering this course will enhance the Animal Science curriculum by providing SDSU students with an opportunity to take courses not offered on campus, but taught by nationally-recognized experts in those respective areas. Many of the swine producers and managers have B.S. degrees in Animal Science and want to further develop their expertise in swine science through university programs. However, constraints associated with distance and their work schedule and responsibilities limit their ability to pursue conventional on-campus coursework and graduate degrees.

The Swine Science On-line Certificate Program was developed with the needs of these professionals in mind, as well as other students interested in distance education opportunities. This program will be offered through AgIDEA of the Great Plains Interactive Distance Education Alliance.

3. Who is the audience for the program?
The target audiences for the certificate in Swine Science are: high school graduates, college age Animal Science students, swine producers, swine breeders, swine managers, and other swine enthusiasts.

4. List the courses to be completed, the credit hours of each course, and the total number of credit hours required for the program.

<table>
<thead>
<tr>
<th>Prefix &amp; #</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AS 202</td>
<td>Basic Swine Science</td>
<td>2</td>
</tr>
<tr>
<td>AS 203L</td>
<td>Basic Swine Science Lab Course</td>
<td>1</td>
</tr>
<tr>
<td>AS 313</td>
<td>Swine Health and Biosecurity</td>
<td>1</td>
</tr>
<tr>
<td>AS 310</td>
<td>Employee Management for the Swine Industry</td>
<td>1</td>
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<tr>
<td>AS 494</td>
<td>Internship (Production Internship in the Swine Industry)</td>
<td>1</td>
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</table>
Production Management Course (choose ONE)

AS 306 Swine Breeding and Gestation Management  1
AS 307 Farrowing Management  1
AS 308 Swine Nursery and Finishing Management  1

Elective courses (choose 4 courses)

AS 303 Swine Feed Mill Management  1
AS 311 Marketing and Risk Management in the Swine Industry  1
AS 312 Pork Product Quality and Safety  1
AS 314 Pork Export Markets  1
AS 302 Swine Environment Management  1
AS 315 Contemporary Issues in the Swine Industry  1
AS 309 Swine Business and Records Analysis  1
AS 304 Swine Manure and Nutrient Management  1
AS 305 Swine Nutrition  1
AS 301 Advanced Lab Course  1

Production Management Courses (able to take the other two courses not taken as a required course)

AS 306 Swine Breeding and Gestation Management  1
AS 307 Farrowing Management  1
AS 308 Swine Nursery and Finishing Management  1

Total Credit Hours Required  11

5.  Proposed CIP code ___________ 01.1106______________

6.  Effective Date of Certificate Program ______ Summer 2012__________________