Animal Science Assessment Plan

Mission Statement:

The Animal Science major will prepare graduates who value and use critical thinking, communication and social skills through liberal arts and science-based technology education. They will contribute to the success and profitability of vocations involved in animal care, welfare and production of high quality animal-derived food and medicine for national and international consumption. Graduates will also acquire skills that will guide them in designing and applying a synergy of animal production and land use with lasting environmental stability.

Goals:

Graduates of the Animal Science program will be:

1. Conscious of and sensitive to the issues involved with profitable and ethical management, care, welfare and health of animals.

   Outcomes:
   - Students support the scientific evidence for safety of world food supplied through science based production practices.
   - Students can examine and evaluate various perspectives of animal health and welfare.
   - Students can analyze the structure of regional, national and international policies that affect bio-security.

2. Critical thinkers with effective oral and written communication skills as individuals and as team members.

   Outcomes:
   - Students value and enhance their communication skills with liberal arts and science based knowledge.
   - Increase self confidence and comfort level during public speaking
   - Students demonstrate ability to independently investigate, analyze and conclude decisions clearly and concisely.
   - Collect and analyze information and compose professional, technical reports.
3. Able to determine and measure profitable and environmentally sustainable agricultural practices.

Outcomes:

- Competent in application of computerized technology.
- Utilization of proven physical and chemical analyses.
- Evaluate genetic selection and performance programs.
- Appreciate and apply quality assurance programs for products.
- Recognize and compare optimal and maximal production practices for sustainability.

4. Informed and aware of regional, national and international obligations, opportunities and experiences.

Outcomes:

- Generate interest and increased participation in cross cultural experiences.
- Expand student’s comfort zone for global pursuits.
- Benefit from external professional inputs of diverse backgrounds.
<table>
<thead>
<tr>
<th>Animal Science Assessment Tools</th>
<th>Frequency</th>
<th>Used For Specific Outcomes *</th>
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</thead>
<tbody>
<tr>
<td>1 Ag Advisory Board</td>
<td>Biannually</td>
<td>2b; 4c</td>
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<tr>
<td>2 Ag Club Leadership Roles</td>
<td>Continuous</td>
<td>2a,b; 4a</td>
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<tr>
<td>3 Alumni Survey</td>
<td>3-5 years</td>
<td>All</td>
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<tr>
<td>4 Community and Industry Alliances (Service Learning)</td>
<td>Continuous</td>
<td>1b, 2a,b,c,d; 3a,e; 4c</td>
</tr>
<tr>
<td>5 Competitive Intercollegiate Teams</td>
<td>Continuous</td>
<td>2a-d; 3a; 1b; 4c</td>
</tr>
<tr>
<td>6 Coursework Oral and Written Components</td>
<td>Continuous</td>
<td>2a-d; 3a,d</td>
</tr>
<tr>
<td>7 Employer Survey</td>
<td>3-5 years</td>
<td>All</td>
</tr>
<tr>
<td>8 Graduate Placement (positions)</td>
<td>Annually</td>
<td>1a; 2c,d; 3d,e; 4b</td>
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<tr>
<td>9 Graduate Placement (rate)</td>
<td>Annually</td>
<td>1a; 2c,d; 3d,e; 4b</td>
</tr>
<tr>
<td>10 Internship Evaluation</td>
<td>Semester</td>
<td>All</td>
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<tr>
<td>11 Pioneer Undergraduate Research Fellowships PURF</td>
<td>Annually</td>
<td>1a; 2a-d; 3a,b,c; 4c</td>
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<tr>
<td>12 Senior Exit Interview</td>
<td>Semester</td>
<td>2a-d; 3a,e; 4a-c</td>
</tr>
<tr>
<td>13 Undergraduate Independent Studies</td>
<td>Semester</td>
<td>2c,d; 3a</td>
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* Outcomes

1a Students support the scientific evidence for safety of world food supplied through science based production practices
1b Students can examine and evaluate various perspectives of animal health and welfare
1c Students can analyze the structure of regional, national and international policies that affect biosecurity

2a Students value and enhance their communication skills with liberal arts and science based knowledge
2b Increase self confidence and comfort level during public speaking
2c Students demonstrate ability to independently investigate, analyze and conclude decisions clearly and concisely
2d Collect and analyze information and compose professional, technical reports

3a Competent in application of computerized technology
3b Utilization of proven physical and chemical analyses
3c Evaluate genetic selection and performance programs
3d Appreciate and apply quality assurance programs for products
3e Recognize and compare optimal and maximal production practices for sustainability

4a Generate interest and increased participation in cross cultural experiences
4b Expand student's comfort zone for global pursuits
4c Benefit from external professional inputs of diverse backgrounds