Graduate Guide Content Form for Doctoral Minors

1. **Name of Doctoral Minor:** Dairy Science

2. **Overview:**
   Any student enrolled in a UW–Madison doctoral program can pursue a doctoral minor in Dairy Science. The doctoral minor offers substantial and systematic training in the field of Dairy Science and can be tailored to a student’s specific interests. A doctoral minor in Dairy Science is an excellent way to gain training and understanding in specific research areas and disciplines related to Dairy Science that can be applied to one’s research field and to one’s teaching.

3. **Requirements:**
   a. Doctoral students who wish to pursue an Option A external minor in Dairy Science should consult the graduate coordinator or Chair of the Graduate Committee of the department.
   b. A Dairy Science faculty member with primary departmental appointment should be assigned as the Minor Program Advisor. See #4.
   c. A **Minor Program of Study** should be approved by the Minor Program Advisor and the student’s major professor, early in the student’s graduate work. The proposed program must be submitted and approved upon or before, the completion of six credits. See Appendix A.
   d. A student may earn a doctoral minor in Dairy Science with 9 credits of Graduate courses.
   e. Credits for the doctoral minor in Dairy Science can come from the list of elective courses approved for graduate credits. The elective courses within the Department of Dairy Science that are currently approved to have Graduate Attributes are in #5.
   f. The student must achieve a 3.00 GPA in courses used to satisfy the minor requirement. Directed study courses do not count toward the minor nor do audits or pass/fail courses.
   g. The completed **Minor Program of Study** form for the doctoral minor, signed by the graduate student’s advisor and the Chair of the Graduate Committee, must be submitted to the Dairy Science Graduate Coordinator at the time of the student’s Preliminary Exam. The Graduate Coordinator will send notification to the Graduate School of completion of doctoral minor.

4. **Department of Dairy Science Primary Faculty Eligible to be Doctoral Minor Advisor**

<table>
<thead>
<tr>
<th>Sebastian I Arriola Apelo</th>
<th>Laura Hernandez</th>
<th>Michel Wattiaux</th>
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<tbody>
<tr>
<td>Victor Cabrera</td>
<td>Bruce Jones</td>
<td>Kent Weigel</td>
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<tr>
<td>Dave Combs</td>
<td>Pam Ruegg</td>
<td>Heather White</td>
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<td>Paul Fricke</td>
<td>Randy Shaver</td>
<td>Milo Wiltbank</td>
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5. **Courses that currently have Graduate Attributes in the Department of Dairy Science:**
   - 414 Ruminant Nutrition – 2 credits
   - 434 Reproductive Physiology – 3 credits
   - 534 Reproductive Management of Dairy Cattle – 3 credits
   - 535 Dairy Farm Management Practicum – 3 credits
   - 824 Ruminant nutritional Physiology I – 4 credits
   - 825 Ruminant Nutritional Physiology II – 4 credits
   - 875 International Teaching in Science & Engineering – 2 credits
   - 875 Lactation Physiology – 3 credits (meets with DySci 305 lecture)
   - 875 Advanced Topics in Reproductive Physiology – 3 credits
   - 931 Seminar in Animal Nutrition – 1 credit
   - 951 Seminar in Animal Breeding – 1 credit
   - 900 – Departmental seminar and discipline-specific seminars – 1 credit each, up to 5 credits