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| **Program/Discipline Learning Outcomes** | | | | |
| **Academic Year: 2018-2019** | | | | |
| **Program/Discipline: (indicate program/discipline here): Agriculture** | | | | |
| **PROGRAM/DISCIPLINE CONTACT** | | | | |
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| **Learning Outcome:**  **(Successful students will be able to)** | | **Course(s) in which the assessment will be performed** | **Semesters the outcome will be assessed** | **Assessment tools used for learning outcome** |
| 1 | Students will demonstrate foundational and practical knowledge in the science of agronomy, and its application in solving production problems as well as environmental risks. | AGT 131 – Introduction to Crop & Soil Science | Winter Year 1 | Exams (AGT 131) |
| 2 | Students will critically assess, make informed decisions, and solve problems associated with agricultural risks such as soil degradation, weed, insect, and disease problems. Identify the challenges and tradeoffs associated with specific production practices. | AGT 201 – Integrated Pest Management | Fall 2 Year 2 | Case Studies w/ Presentations (AGT 201) |
| 3 | Students will articulate the policy and regulatory framework that supports Generally Accepted Agricultural Management Practices as administrated by the Michigan Department of Agriculture. | AGT 212 – Agricultural Policy & Practices | Winter Year 2 | Students will prepare weekly summaries and a final CAFO design project. |
| 4 | Students will have numerous opportunities to interact with skilled professionals in a variety of agricultural, food systems and agri-business fields | AGT 113-Introduction to Food Systems | Fall Year 1 | Weekly industry summaries.  Position paper on the future of agriculture and food production. |
| 5 | Students will identify trends and practice techniques in livestock and small animal handling, management, nutrition and breeding. | AGT 227-Introduction to Animal Science | Winter Year 2 | GEO1 – Assessment Tool   * literature review and position paper on a current trend in animal science research. Multiple drafts with rewrites. |
| 6 | Students will be able to apply basic financial tools and principles to operate an agri-business. | AGT 231-Agricultural Finance | Winter Year 2 | Exams & Position Papers |
| 7 | Students will complete at least 100 hours of job experience with an agricultural entity. | AGT 245-Agricultural Internship | Any Time Year 1 or Year 2 | Formal mid & post internship evaluation completed by supervisor. |
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