Undergraduate Program Assessment for the
Academic Sequences in the B.S. in Agriculture
Department of Agriculture
Illinois State University

Departmental Vision Statement:
The Department of Agriculture at Illinois State University will enhance the global food and
agriculture industry by providing a premier educational experience, conducting high-quality
research, and providing timely outreach services.

Departmental Mission Statement:
The mission of the Department of Agriculture at Illinois State University is to deliver the highest
quality academic programs, prepare students for careers in the food and agriculture industry,
conduct scholarly activities that are beneficial to the citizens of Illinois and beyond, and provide
outreach services to an ever-changing world. The Department provides the benefits of a small
college within a large university, and places the student at the center of teaching and scholarship.
Learning is enhanced by strong student-faculty connections and student participation in co-
curricular activities and organizations. All academic programs within the Department emphasize
the relationship between theory and practice. The Department prepares students to be engaged
participants in a global society by fostering teamwork and an informed respect for differences
among people.

The B.S. in Agriculture has ten (10) academic sequences; Agribusiness, Agriculture
Communications & Leadership, Agriculture Education, Agronomy Management, Animal
Industry Management, Animal Science, Crop & Soil Science, Food Industry Management,
Horticulture & Landscape Management, and Pre-Veterinary Medicine.

Program Goals for the B.S. in Agriculture:

1. Educate students on the basic principles and practices of agriculture.
2. Educate students on influence of environment on agriculture.
3. Educate students on the science and terminology of agricultural disciplines.
4. Educate students on the policy and regulations governing agriculture.
5. Educate students on the global impact on agriculture.

Each Program Goal will be supported by Learning Outcomes as they relate to the six (6) main
discipline areas of:

Application of the Assessment Plan

The Assessment Committee will collect and evaluate the data described in this plan for each of the six discipline areas annually. Data will be summarized during the summer and presented to the faulty at the first fall faculty meeting. Faculty will be encouraged to use the results to assess course learning outcomes and evaluate student learning in each discipline area. The summary data will be included in the Department's annual report presented to the College and also in future Program Reviews.

AGR 398 Professional Internship is not required, but enough student take this course annually to provide valuable feedback for the application of student learning and acquired skills. This course, in particular, allows the department to assess where our students rank in performance against interns from other universities.

Undergraduate Program Assessment for the
Agribusiness and Food Industry Management Sequences
Department of Agriculture
Illinois State University

Broad <u>Program Goals for the B.S. in Agriculture</u>:

1. Educate students on the basic <u>principles and practices</u> of agriculture.
2. Educate students on influence of <u>environment</u> on agriculture.
3. Educate students on the <u>science and terminology</u> of agricultural disciplines.
4. Educate students on the <u>policy and regulations</u> governing agriculture.
5. Educate students on the <u>global impact</u> on agriculture.

Each <u>Goal</u> listed above will have several specific <u>Outcomes</u> that will represent measurable student learning and comprehension in the Agribusiness and Food Industry Management sequences.

Agribusiness Sequence:
— 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
— Required courses: ACC 131; AGR 109, 110; CHE 110 and 112, or 140; ECO 105; MAT 120 (21-22 hours)
— Choose four courses from AGR 120, 130, 150, 157, 170, 205. (12-14 hours)
— The student must complete a minimum of 12 semester hours (within the 36 required in Agriculture) in Agribusiness courses selected from AGR 213, 214, 215, 216, 310, 311, 312, 313, 314, 315, 317, 318, 319, 320, 324
— AGR 295, 394, and 395 do not count toward this major.
— Non-business majors who desire to elect more than 30 hours of their course work in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor

Food Industry Management Sequence:
— 36 hours in Agriculture and/or Family and Consumer Sciences and 19 hours in the College of Business and/or Department of Economics.
— Required courses: ACC 131; AGR 109, 110, 271, 315, 317; AGR 205 or IT 150; CHE 110 and 112, or 140; ECO 105; ECO 138 or MQM 100; FIL 185; MKT 230; MAT 120. (42-43 hours)
— Choose one course from AGR 120, 130, 150, 170. (3-4 hours); 15 hours from AGR 214, 215, 257, 285, 314, 319, 324, 340; FCS 102, 113, 213, 316, 319, 332
— AGR 295, 394, and 395 do not count toward this sequence.

The following courses in the Agribusiness and Food Industry Management (FIM) sequences will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
110 Introductory Agricultural Economics	X	X	X		X
205 Microcomputer Applications in Agriculture	X		X		
213 Farm Management	X		X	X	
214 Agriculture Marketing	X	X	X	X	X
215 Farm Supply and Food Industry Management	X		X		
216 Financial Accounting for Agricultural Producers	X		X		
311 Strategic Agribusiness Sales	X		X		
312 Managerial Accounting for Agricultural Producers	X		X		
313 Advanced Farm Management	X		X		
314 Marketing Grain and Livestock	X	X	X	X	X
315 Financial Management and Analysis of the Agribusiness Firm	X		X		
317 Food Industry Marketing and Strategic Management	X		X	X	
318 Agricultural Finance	X		X		
319 Agricultural Policies and Programs	X	X	X	X	
320 Farm Commodity Pricing	X				X
324 Commodity Futures and Options	X				X
203 Agriculture and the Environment[1]	X	X	X	X	X

[1] Department-wide course that is available to Agribusiness and FIM students.

Program Goal #1 Educate students on the **basic principles and practices of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of agribusiness and food industry management (FIM).	Evaluation data from selected exams, assignments, and projects	Students in AGR 110	Exams and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 110	IDEA Student Survey	I	Faculty	Every semester
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)
Students will be able to apply the basic principles and practices of agribusiness and food industry management (FIM).	Evaluation data from assignments and projects	Students in 200 and 300 level Agribusiness and FIM courses[1]	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in 200 and 300 level Agribusiness and FIM courses[1]	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)

[1] Includes AGR 203.

| **Program Goal #2** ||||||
| Educate students on the **influence of the environment on agriculture**. ||||||
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the influence of the environment on agribusiness and food industry management (FIM).	Evaluation data from selected exams, assignments, and projects	Students in AGR 110	Exams and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 110	IDEA Student Survey	I	Faculty	Every semester
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)
Students will be able to apply their knowledge of the influence of the environment on agribusiness and food industry management (FIM).	Evaluation data from assignments and projects	Students in 200 and 300 level Agribusiness and FIM courses[1]	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in 200 and 300 level Agribusiness and FIM courses[1]	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)

[1] Includes AGR 203.

Program Goal #3						
Educate students on the **science and terminology of agricultural disciplines**.						
Outcome(s)	Data needed	Groups to be assessed?	Assessment methods	D=direct, I=Indirect	Who will conduct assessment?	Timeline
Acquire a fundamental knowledge of the terminology of agribusiness and food industry management (FIM).	Evaluation data from selected exams, assignments, and projects	Students in AGR 110	Exams and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 110	IDEA Student Survey	I	Faculty	Every semester
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)
Students will be able to apply their knowledge of the terminology of agribusiness and food industry management (FIM).	Evaluation data from assignments and projects	Students in 200 and 300 level Agribusiness and FIM courses[1]	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in 200 and 300 level Agribusiness and FIM courses[1]	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)

[1] Includes AGR 203.

Program Goal #4 Educate students on the **policy and regulations governing agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the policies and regulations governing agribusiness and food industry management (FIM).	Evaluation data from selected exams, assignments, and projects	Students in AGR 319	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 319	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)
Students will be able to apply their knowledge of the policies and regulations governing agribusiness and food industry management (FIM).	Evaluation data from assignments and projects	Students in 200 and 300 level Agribusiness and FIM courses[1]	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in 200 and 300 level Agribusiness and FIM courses[1]	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)

[1] Includes AGR 203.

Program Goal #5 Educate students on the **global nature of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the global nature of agribusiness and food industry management (FIM).	Evaluation data from selected exams, assignments, and projects	Students in AGR 110	Exams and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 110	IDEA Student Survey	I	Faculty	Every semester
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)
Students will be able to apply their knowledge of the global nature of agribusiness and food industry management (FIM).	Evaluation data from assignments and projects	Students in 200 and 300 level Agribusiness and FIM courses[1]	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in 200 and 300 level Agribusiness and FIM courses[1]	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Every semester (Dept.); Yearly (Univ.)

[1] Includes AGR 203.

Undergraduate Program Assessment for the
Agricultural Education Sequence
Department of Agriculture
Illinois State University

Broad Program Goals for the B.S. in Agriculture:

1. Educate students on the basic principles and practices of agriculture.
2. Educate students on influence of environment on agriculture.
3. Educate students on the science and terminology of agricultural disciplines.
4. Educate students on the policy and regulations governing agriculture.
5. Educate students on the global impact on agriculture.

Being a teacher licensure program accredited by the State of Illinois, the Agricultural Education program must submit a yearly program assessment report to the Illinois State Board of Education documenting aggregated data on student performance. While the five goals listed above underpin the Ag Education program, the assessment program required by the state can be used to document the performance on most of the objectives.

Agriculture Education Sequence:
All Agriculture Education students planning to become certified teachers must apply for and be admitted to the University Professional Studies program (see the University-Wide Teacher Education section of this Undergraduate Catalog). A cumulative 2.50 GPA and 2.50 GPA in the major are required for admission and retention in the sequence.

— 74-75 total hours required.
— 42 hours in Agriculture required.
— Required Agriculture courses: AGR 109, 110, 120, 130, 150, 157, 170, 173, 190, 191, 205, 231, 295, 394, 395 (46 hours)
— Additional required courses: BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140 (8-9 hours)
— Professional Education requirements: EAF 228 or 231 or 235; PSY 215; TCH 212, 216, and 219 (14 hours)
— A minimum of 100 clock hours of approved pre-student teaching clinical experiences; and Student Teaching 399 (10 hours). All Professional Education and content-area coursework required for the program must be passed with a grade of C or better. Program leads to certification: Secondary 6-12.

The following courses in the <u>Agricultural Communications and Leadership curriculum</u> will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
AGR 109 Introduction to Ag Industry	X	X	X		X
AGR 110 Introduction to Ag Economics	X				
AGR 120 Introductory Horticulture	X		X	X	
AGR 130 Introduction to Ag Engineering Tech.	X		X		
AGR 150 Principles of Agronomy	X	X	X	X	
AGR 190 Introduction to Animal Science	X	X	X	X	
AGR 190 Introduction to Ag Education.	X		X	X	
AGR 192 Introduction to Ag Comm & Lead.	X		X		X
AGR 231 Managing and Teaching. In the Ag Mech lab.	X		X	X	
AGR 295 Summer experience in Ag Ed.	X		X	X	X
AGR 394 Teaching Methods in Ag Ed	X		X	X	X
STT 399 Student Teaching in Ag Ed.	X	X	X	X	X

The assessment measures will primarily focus on the following indicators used by the State of Illinois in assessing the ISU Ag Education Program.

1. Content Knowledge (Program Goals 1 & 3).
    a. State Required Program Content Area Test (paper and pencil test of knowledge and application throughout all the Ag curriculum areas.
    b. Use of course grades as an indicator of knowledge. On this section of the report we provide the following:
        i. A description of the process used to assess if students will have the content knowledge to teach.
        ii. A copy of the rubric used to assess performance
        iii. A table of aggregated data, showing the results. In this case it is a table of all required courses, and the grades received.
        iv. A discussion of the data results and steps taken as a result of that assessment.

2. Assessment of Candidates ability to plan instruction or advanced assessment of candidates ability to plan an appropriate environment (Program Goals 1 & 4)
    a. This is captured via a curriculum planning project utilized in one of the classes. Again the following information is provided to the state.
        i. A description of the process used to assess if students will have the content knowledge to teach.
        ii. A copy of the rubric used to assess performance
        iii. A table of aggregated data, showing the results. In this case it is a table of all required courses, and the grades received.
        iv. A discussion of the data results and steps taken as a result of that assessment.

3. An assessment of Clinical Practices. (Program Goals 1, 3, 4, & 5) For this assessment we utilize the Student Teacher Performance Based Assessment. This includes seven (7) items assessed periodically during the student teaching experience. In addition, we will begin using the edTPA (Teacher Performance Assessment) a third-party scored assessment of the abilities of the student to plan, deliver and evaluate student performance. Again the following is provided in the report.

    i. A description of the process used to assess if students will have the content knowledge to teach.
    ii. A copy of the rubric used to assess performance
    iii. A table of aggregated data, showing the results. In this case it is a table of all required courses, and the grades received.
    iv. A discussion of the data results and steps taken as a result of that assessment.

4. Initial Program Assessment of Candidates' Impact on Student Learning or an Advanced Program Assessment of Candidates ability to provide a supportive environment for student learning. (Program Goals 1, 3, & 4) This includes:

    i. A description of the process used to assess if students will have the content knowledge to teach.
    ii. A copy of the rubric used to assess performance
    iii. A table of aggregated data, showing the results. In this case it is a table of all required courses, and the grades received.
    iv. A discussion of the data results and steps taken as a result of that assessment.

5. Assessment of dispositions. (Program Goals 1 & 4) This is an assessment of the candidates of their professional dispositions in regards to the demeanor and behavior they exhibit during their preparation period.

    i. A description of the process used to assess if students will have the content knowledge to teach.
    ii. A copy of the rubric used to assess performance
    iii. A table of aggregated data, showing the results. In this case it is a table of all required courses, and the grades received.
    iv. A discussion of the data results and steps taken as a result of that assessment.

6. State Required Assessment of Professional Teaching (paper and pencil test of knowledge and application in the pedagogy of Agricultural Education. (Program Goals 1& 4)

    This assessment requires program coordinators to explain in detail how they have used the data to analyze program performance and what steps have been taken to address areas of weakness.

Undergraduate Program Assessment for the
Agricultural Communications and Leadership Sequence
Department of Agriculture
Illinois State University

Broad Program Goals for the B.S. in Agriculture:

1. Educate students on the basic principles and practices of agriculture.
2. Educate students on influence of environment on agriculture.
3. Educate students on the science and terminology of agricultural disciplines.
4. Educate students on the policy and regulations governing agriculture.
5. Educate students on the global impact on agriculture.

Each Goal listed about will have several specific Outcomes that will represent measurable student learning and comprehension in the Horticulture and Landscape Management sequence.

Agricultural Communication and Leadership Sequence:
— 37 hours in Agriculture and 18 hours in Communication
— Required Agriculture courses (25 hours): AGR 109, 110, 120, 130, 150, 170, 190, 192, 205
— 3 hours from AGR 295 or 398
— 3 hours from: AGR 319; EAF 228, 231, 235; TCH 212
— Additional required courses (6 hours): COM 111 and 297

The following courses in the Agricultural Communications and Leadership curriculum will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
AGR 109 Introduction to Ag Industry	X	X	X		X
AGR 110 Introduction to Ag Economics	X				
AGR 120 Introductory Horticulture	X		X	X	
AGR 130 Introduction to Ag Engineering Tech.	X		X		
AGR 150 Principles of Agronomy	X	X	X	X	
AGR 190 Introduction to Animal Science	X	X	X	X	
AGR 190 Introduction to Ag Education.	X		X	X	
AGR 192 Introduction to Ag Comm & Lead.	X		X		X
AGR 319 EAF 228, 231, 235, TCH 212	X			X	
Comm 111 Intro to communication theory	X				
Comm 297 Communication Research Methods	X		X	X	
AGR 398 Professional Practice Internship			X		X

Program Goal #1 Educate students on the **basic principles and practices of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of Ag Communications & Leadership (ACL)	Evaluation data from selected exams, projects, and assignments	Students in AGR 190 & 192	Exams, projects, and assignments	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 190 & 192	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of Ag Communications & Leadership (ACL)	Evaluation data from selected projects and assignments	ACL students in 200 and 300 level courses	Projects and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	ACL students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #2 Educate students on the **influence of the environment on agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the influence of the environment on Ag Communications & Leadership (ACL)	Evaluation data from selected exams, projects, and assignments	Students in AGR 190 & 192	Exams, projects, and assignments	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 190 & 192	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of environmental influences on Ag Communications & Leadership (ACL)	Evaluation data from selected projects, and assignments	ACL students in 200 and 300 level courses	Projects and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	ACL students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #3 Educate students on the **science and terminology of agricultural disciplines**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the science and terminology of Ag Communications & Leadership (ACL)	Evaluation data from selected exams, projects, and assignments	Students in AGR 190 & 192	Exams, projects, and assignments	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 190 & 192	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply scientific principles and terminology to Ag Communications & Leadership (ACL)	Evaluation data from selected projects and assignments	ACL students in 200 and 300 level courses	Projects and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	ACL students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #4						
Educate students on the policy and regulations governing agriculture.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the policy and regulations governing Ag Communications & Leadership (ACL)	Evaluation data from selected exams, projects, and assignments	Horticulture students in 200 and 300 level courses	Exams, projects, and assignments	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 190 & 192	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of policy and regulations to Ag Communications & Leadership (ACL)	Evaluation data from selected projects and assignments	ACL students in 200 and 300 level courses	Projects and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	ACL students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #5 Educate students on the **global nature of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the global nature of Ag Communications & Leadership (ACL)	Evaluation data from selected exams, projects, and assignments	Students in AGR 190 & 192	Exams, projects, and assignments	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 190 & 192	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply a global understanding to Ag Communications & Leadership (ACL) practices	Evaluation data from selected projects and assignments	ACL students in 200 and 300 level courses	Projects and assignments	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	ACL students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Undergraduate Program Assessment for the
Agronomy Sequences (Agronomy Management and Crop and Soil Science)
Department of Agriculture
Illinois State University

Broad <u>Program Goals for the B.S. in Agriculture</u>:

1. Educate students on the basic <u>principles and practices</u> of agriculture.
2. Educate students on influence of <u>environment</u> on agriculture.
3. Educate students on the <u>science and terminology</u> of agricultural disciplines.
4. Educate students on the <u>policy and regulations</u> governing agriculture.
5. Educate students on the <u>global impact</u> on agriculture.

Each <u>Goal</u> listed about will have several specific <u>Outcomes</u> that will represent measurable student learning and comprehension in the Agronomy sequences.

Crop and Soil Science Sequence:
— 37 hours in Agriculture required.
— Required Agriculture courses: AGR 109, 150, 157, 234, 272, 305, 357, and choose one from 110 or 170 (28 hours)
— 9 hours of Agronomy electives.
— Additional required courses: BSC 196 or 197; CHE 110 and 112, or 140 and 141; CHE 220, or 230 and 231; and CHE 242 or 342; MAT 120 or 144 or 145 (20-24 hours)

Agronomy Management Sequence:
— 55 hours in Agriculture required.
— Required Agriculture courses: AGR 109, 150, 157, 234, 272, 305, 357, and choose one from 110 or 170 (28 hours)
— 15 hours of senior level Agribusiness courses.
— 12 hours of Agronomy electives.
— Additional required courses: BSC 101 or 196 or 197; CHE 102, or 110 and 112, or 140 and 141. (6-12 hours)

The following courses in the Agronomy curriculum will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
AGR 150 Principles of Agronomy	X	X	X		X
AGR 157 Soil Science	X	X	X		X
AGR 234 Soil and Water Conservation	X	X	X	X	
AGR 272 Agricultural Genetics	X		X		X
AGR 297 Independent Study[a]					
AGR 302 Special Problems in Agriculture[a]					
AGR 305 Crop Growth and Development	X	X	X		
AGR 306 Weed Science	X	X			
AGR 355 Plant Biotechnology and Breeding	X	X	X	X	X
AGR 357 Soil Fertility and Fertilizers	X	X	X	X	X
AGR 363 Agricultural Experimentation	X				
AGR 398 Professional Practice	X	X			

[a] Goal satisfaction depends upon the nature of the project.

Program Goal #1						
Educate students on the **basic principles and practices of agriculture**.						
Outcome(s)	Data needed	Groups to be assessed?	Assessment methods	D=direct, I=Indirect	Who will conduct assessment?	Timeline
Acquire a fundamental knowledge of the basic principles and practices of agronomy.	Evaluation data from selected exams, assignments, and projects	Students in AGR 150/157	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 150/157	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of agronomy.	Evaluation data from assignments and projects	Students in Agronomic 200 and 300 level courses	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in Agronomic 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #2						
Educate students on the **influence of the environment on agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of agronomy.	Evaluation data from selected exams, assignments, and projects	Students in AGR 150/157	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 150/157	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of agronomy.	Evaluation data from assignments and projects	Students in Agronomic 200 and 300 level courses	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in Agronomic 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #3						
Educate students on the **science and terminology of agricultural disciplines**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of agronomy.	Evaluation data from selected exams, assignments, and projects	Students in AGR 150/157	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 150/157	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of agronomy.	Evaluation data from assignments and projects	Students in Agronomic 200 and 300 level courses	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in Agronomic 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #4						
Educate students on the **policy and regulations governing agriculture**.						
Outcome(s)	Data needed	Groups to be assessed?	Assessment methods	D=direct, I=Indirect	Who will conduct assessment?	Timeline
Acquire a fundamental knowledge of the basic principles and practices of agronomy.	Evaluation data from selected exams, assignments, and projects	Students in AGR 150/157	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 150/157	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of agronomy.	Evaluation data from assignments and projects	Students in Agronomic 200 and 300 level courses	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in Agronomic 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #5						
Educate students on the **global nature of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of agronomy.	Evaluation data from selected exams, assignments, and projects	Students in AGR 150/157	Exams, assignments, and projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 150/157	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of agronomy.	Evaluation data from assignments and projects	Students in Agronomic 200 and 300 level courses	Assignments and projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in Agronomic 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Undergraduate Program Assessment for the
Animal Science, Animal Industry Management, and Pre-Veterinary Medicine Sequences
Department of Agriculture
Illinois State University

Broad <u>Program Goals for the B.S. in Agriculture</u>:

6. Educate students on the basic <u>principles and practices</u> of agriculture.
7. Educate students on influence of <u>environment</u> on agriculture.
8. Educate students on the <u>science and terminology</u> of agricultural disciplines.
9. Educate students on the <u>policy and regulations</u> governing agriculture.
10. Educate students on the <u>global impact</u> on agriculture.

Each <u>Goal</u> listed above will have several specific <u>Outcomes</u> that will represent measurable student learning and comprehension in the Animal Science, Animal Industry Management, and Pre-Veterinary Medicine Sequences.

<u>Animal Science Sequence</u>:
— Students must complete 36 hours in Agriculture with 4 hours of Animal Science Electives.
  — Required Agriculture courses: AGR 109, 170, 173, 272, 275, 282, 283, 286; combination of 380 and one from 381.01 or 381.02 or 381.03 or 398 (2 hours); and choose one from 110, 120, 130, 150, or 157. (32-33 hours)
  — Additional required courses: BSC 196 or 197; CHE 110 and 112, or 140 and 141; CHE 220 or 230 and 231; and CHE 242 or 342; MAT 120 or 144 or 145 (20–24 hours). (6-12 hours)

<u>Animal Industry Management Sequence</u>:
— Students must complete 55 hours in Agriculture with 8 hours of Animal Science Electives and 15 hours of Agricultural Business Electives.
  — Required Agriculture courses: AGR 109, 170, 173, 272, 275, 282, 283, 286; combination of 380 and one from 381.01 or 381.02 or 381.03 or 398 (2 hours); and choose one from 110, 120, 130, 150, or 157. (32-33 hours)
  — Additional required courses: BSC 101 or 196 or 197; CHE 102, or 110 and 112, or 140 and 141. (6-12 hours)

<u>Pre-Veterinary Medicine Sequence</u>
—Students must complete 36 hours in Agriculture with 4 hours of Animal Science Electives
  — Required Agriculture courses: AGR 109, 170, 173, 272, 275, 282, 283, 286; combination of 380 and one from 381.01 or 381.02 or 381.03 or 398 (2 hours); and choose one from 110, 120, 130, 150, or 157. (32-33 hours)
  — Additional required courses: BSC 196 or 197; CHE 140, 141, 230, 231, and 242 or 342; MAT 144 or 145; PHY 108 and 109 or 110 and 111 (35–37 hours)

The following courses, currently taught by faculty of Animal Science, will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
AGR 109 Introduction to the Agricultural Industry	X	X	X	X	X
AGR 170 Introduction to Animal Science	X		X		X
AGR 173 Working with Domestic Animals	X		X	X	
AGR271 Foods of Animal Origin	X		X		
AGR 272 Agricultural Genetics	X		X		
AGR 275 Introduction to Animal Nutrition	X		X		X
AGR 280 Livestock and Dairy Cattle Selection	X		X		
AGR 282 Anatomy & Physiology	X		X		
AGR 283 Reproductive Physiology & Artificial Insemination of Farm Animals	X		X		X
AGR 285 Meat Science	X		X		X
AGR 286 Behavior of Domestic Animals	X		X		
AGR 288 Advanced Livestock Dairy Cattle Selection	X		X		
AGR 372 Livestock Breeding	X	X	X		
AGR 375 Animal Nutrition	X	X	X		X
AGR 380 Current Issues in Livestock Industry		X		X	X
AGR 381.01 Livestock Industry: Beef Cattle	X	X	X		
AGR 381.03 Livestock Industry: Swine	X	X	X		
AGR 386 Animal Welfare	X		X		

Program Goal #1 Educate students on the **basic principles and practices of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of animal science.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 170	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 170	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of animal science.	Evaluation data from selected assignments, and/or projects	Animal Science students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Animal Science students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #2 Educate students on the **influence of the environment on agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the influence of the environment on animal science.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 170	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 170	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of environmental influences on animal science.	Evaluation data from selected assignments, and/or projects	Animal Science students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Animal Science students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #3 Educate students on the **science and terminology of agricultural disciplines**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the science and terminology of animal science.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 170	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 170	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply scientific principles and terminology to animal science.	Evaluation data from selected assignments, and/or projects	Animal Science students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 298	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Animal Science students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #4 Educate students on the **policy and regulations governing agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the policy and regulations governing animal science.	Evaluation data from selected exams, assignments, and/or projects	Animal Science students in 200 and 300 level courses	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 170	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of policy and regulations to animal science practices.	Evaluation data from selected assignments, and/or projects	Animal Science students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Animal Science students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #5 Educate students on the **global nature of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the global nature of animal science.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 170	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 170	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply a global understanding to animal science practices.	Evaluation data from selected assignments, and/or projects	Animal Science students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Animal Science students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Undergraduate Program Assessment for the
Horticulture and Landscape Management Sequence
Department of Agriculture
Illinois State University

Broad Program Goals for the B.S. in Agriculture:

1. Educate students on the basic principles and practices of agriculture.
2. Educate students on influence of environment on agriculture.
3. Educate students on the science and terminology of agricultural disciplines.
4. Educate students on the policy and regulations governing agriculture.
5. Educate students on the global impact on agriculture.

Each Goal listed about will have several specific Outcomes that will represent measurable student learning and comprehension in the Horticulture and Landscape Management sequence.

Horticulture and Landscape Management Sequence:
— 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
— Required courses: AGR 109, 110, 120, 130, 157; AGR 150 or BSC 196 or 197 (AGR 150 preferred); ECO 105; ACC 131; FIL 185; MAT 120; CHE 110 and 112, or 140. (38-39 hours)
— 12 hours from AGR 252, 253, 254, 255, 256, 257, 260, 262, 352, 353, 355, 356.
— AGR 295, 394, and 395 do not count toward this sequence

The following courses in the Horticulture and Landscape Management curriculum will help satisfy the following departmental goals:

Course	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5
AGR 120 Introductory Horticulture	X	X	X		X
AGR 252 Urban Landscape Management	X	X	X	X	
AGR 254 Herbaceous Plant Material			X		
AGR 255 Landscape Plants			X		
AGR 256 Landscape Plants II			X		
AGR 257 Fruit & Vegetable Production	X	X	X	X	X
AGR 260 Greenhouse Operations & Mgt. (not offered)					
AGR 262 Nursery Management	X	X	X	X	
AGR 352 Residential & Sport Turf Mgt.	X	X	X	X	
AGR 353 Landscape Design	X		X		
AGR 356 Plant Propagation (not offered)					
AGR 389.34 Pest Identification & Mgt.	X			X	
AGR 287 Independent Study in Horticulture	X			X	
AGR 398 Professional Practice Internship	X			X	

Program Goal #1						
Educate students on the **basic principles and practices of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the basic principles and practices of horticulture.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 120	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 120	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply the basic principles and practices of horticulture.	Evaluation data from selected assignments, and/or projects	Horticulture students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Horticulture students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #2						
Educate students on the **influence of the environment on agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the influence of the environment on horticulture.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 120	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 120	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of environmental influences on horticulture.	Evaluation data from selected assignments, and/or projects	Horticulture students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Horticulture students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #3
Educate students on the **science and terminology of agricultural disciplines**.

Outcome(s)	Data needed	Groups to be assessed?	Assessment methods	D=direct, I=Indirect	Who will conduct assessment?	Timeline
Acquire a fundamental knowledge of the science and terminology of horticulture.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 120	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 120	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply scientific principles and terminology to horticulture.	Evaluation data from selected assignments, and/or projects	Horticulture students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Horticulture students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #4						
Educate students on the **policy and regulations governing agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the policy and regulations governing horticulture.	Evaluation data from selected exams, assignments, and/or projects	Horticulture students in 200 and 300 level courses	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 120	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply their knowledge of policy and regulations to horticultural practices.	Evaluation data from selected assignments, and/or projects	Horticulture students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Horticulture students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly

Program Goal #5 Educate students on the **global nature of agriculture**.						
Outcome(s)	**Data needed**	**Groups to be assessed?**	**Assessment methods**	**D=direct, I=Indirect**	**Who will conduct assessment?**	**Timeline**
Acquire a fundamental knowledge of the global nature of horticulture.	Evaluation data from selected exams, assignments, and/or projects	Students in AGR 120	Exams, assignments, and/or projects	D	Faculty	Every semester offered
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Students in AGR 120	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly
Students will be able to apply a global understanding to horticultural practices.	Evaluation data from selected assignments, and/or projects	Horticulture students in 200 and 300 level courses	Assignments and/or projects	D	Faculty	Every semester
	Evaluation data from site supervisors/professionals	Students enrolled in AGR 398	Site supervisor evaluation	D	Site Supervisor	Every semester
	Evaluation from students	Horticulture students in 200 and 300 level courses	IDEA Student Survey	I	Faculty	Every semester offered
		Alumni	Departmental Senior Survey and ISU Alumni Survey	I	Faculty and University Assessment Services	Yearly