

Appendix A																
	Assessment of Intended Student Learning Outcomes for Agriculture and Natural Resources Program Student Learner Outcomes															
	CODE															
	3 = A focus of course															
	2 = Evaluate Using Outcome															
	1 = Not evaluated															
	0 = Not included															
	Courses in Program	AG 122	AG 174	AG 200	AG 201	AG 230	AG 235	AG 250	AG 251	AG 260	AG 269	AG 281	AG 264	AG 266	AG 193V	AG 290
<i>Knowledge</i>	GOAL 1 - Graduates know basic biological principles and concepts.	2	3	3	3	0	0	1	3	3	1	3	2	2	0	
	1.1 Graduates can describe common plant, disease, or insect life cycles.	1	3	3	3	0	0	1	3	3	1	3	2	2	0	
	1.2 Graduates can describe the basic methods of inheritance.	0	1	3	1	0	0	0	1	0	0	1	2	0	0	
	GOAL 2- Graduates understand basic plant growth and physiology.	2	0	3	1	0	0	1	2	2	0	1	2	2	0	
	2.1 Graduates can employ sexual and asexual methods of plant propagation.	0	0	3	0	0	0	1	2	3	0	1	3	3	0	
	2.1 Graduates can list the essential plant nutrients.	3	0	2	0	0	0	1	2	2	0	1	1	3	0	
	GOAL 3 - Graduates understand basic ecological relationships as related to soils, crop production, pest management and natural terrestrial ecosystems.	3	3	3	3	0	0	2	3	3	0	3	0	1	0	
	3.1 Graduates can describe succession and its relationships to agroecosystems.	1	0	1	0	0	0	1	1	1	0	3	0	0	0	

	3.2 Graduates can describe the impact of alien exotic species on agriculture and natural ecosystems in Hawaii.	1	3	1	3	0	0	1	3	1	0	3	0	1	0	
	3.3 Graduates can list the functions and characteristics of soils in Hawaii.	3	0	0	0	0	2	1	2	1	0	0	0	0	0	
	GOAL 4 - Graduates understand basic business principles.	0	0	2	0	3	1	2	2	1	0	0	0	2	0	
	4.1 Graduates can analyze business information and calculate results.	0	0	2	0	3	1	2	2	1	0	0	0	2	0	
	4.2 Graduates can prepare and organize a business plan.	0	0	1	0	3	0	1	1	0	0	0	0	1	0	
	Courses in Program	AG 122	AG 174	AG 200	AG 201	AG 230	AG 235	AG 250	AG 251	AG 260	AG 269	AG 281	AG 264	AG 266	AG 193V	AG 290
SKILL	GOAL 5 - Graduates apply knowledge of plant growth and ecological principles to produce crops, recommend cultural practices, and solve problems in plant production or landscape maintenance.	3	3	2	3	0	3	3	3	3	0	3	1	3	0	
	5.1 Graduates can determine the methods needed to produce a plant crop or maintain a landscape.	2	0	2	0	0	2	3	3	3	0	0	1	3	0	
	5.2 Graduates can diagnose and recommend controls for common insect, disease and weed pests.	1	3	0	3	0	0	2	2	2	0	3	0	2	0	
	5.3 Graduates can recommend measures to properly manage soil.	3	0	0	0	0	1	1	1	3	0	0	0	2	0	
	5.4 Graduates can demonstrate landscape maintenance skills.	0	0	1	0	0	2	3	0	3	0	0	0	0	0	
	GOAL 6 - Graduates can use appropriate tools to gather relevant information.	1	3	3	3	3	3	3	3	2	1	3	3	2	1	
	6.1 Graduates can locate information and interpret, analyze, and synthesize the results.	1	3	3	3	3	3	3	3	2	1	3	3	2	1	

	Courses in Program	AG 122	AG 174	AG 200	AG 201	AG 230	AG 235	AG 250	AG 251	AG 260	AG 269	AG 281	AG 264	AG 266	AG 193V	AG 290
VALUE	GOAL 7 - Graduates appreciate natural environments for their environmental, economic and aesthetic values.															
		3	3	3	3	1	2	3	1	1	1	3	1	0	0	
	7.1 Graduates can explain sources for water resources in Hawaii.	1	0	1	0	0	3	1	1	1	0	2	0	0	0	
	7.2 Graduates can distinguish between common alien and native species.	0	3	1	3	0	1	1	1	1	2	3	1	1	0	
	Goal 8 - Graduates value the relationship between agroecosystems, economics, human culture, and natural environments.															
		3	3	1	3	1	1	3	3	2	1	3	0	1	0	
	8.1 Graduates can contrast conventional and sustainable methods of landscape or crop production.	3	3	1	3	0	1	3	3	2	1	3	0	1	2	