FAES 1100 and Dept. Seminar

## B.S. in Agriculture Sustainable Plant Systems Specialization: Agroecology Effective Autumn 2019

Social Science 2 (AED Econ 2001 or Econ 2001)

3/25/19

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All students must complete two Global Issues courses (**A**). All students must take a Social Diversity requirement in the GE by completing Rural Sociology 1500 or Sociology 1101.

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Writing Level 1 (English 1110)			3						
Writing Level 1 (English 1110) Writing Level 2 (2367) see approved CFAES GE List			3		Culture & Ideas or Historical Study (see approved CFAES GE List) 3				
Agr Comm 3130 or Comm 2110		3	Literature (see approved CFAES GE List)			• • • • • • • • • • • • • • • • • • • •	3		
Math 1130, 1148, 1151, or 1156			4 or 5		Art (see approved CFAES GE List)			3	
		CS 2260 recommended)	3				(see approved CFAES GE List)	3	
	•	e (Bio 1113 req'd)	4		Internship (H			2	
_		• 1	5		TOTAL GE (			57 or 58	
•		Chem 1110, 1210, or 1220	4					42-43	
Add'l. Sci. (BIO 1114 Form, Function, Diversity, and Ecology req'd)  Opt. 1 (HCS 2201 Ecology of Managed Plant Systems req'd)			4 4 SPS – Agroecology Specialization 4 SPS – Minor Equivalent			-	15-18		
			3		Electives				
Social S	cience i (	Rural Soc 1500 or Sociol 1101)	3		TOTAL			<u>2-7</u> 121	
					IOIAL			121	
AGROECOLOGY SPECIALIZATION			42-43		MINOR EQUIVALENT		NT	15-18	
								10 10	
					Soil Ecology and Management			5-9	
ъ.	1.0		26		ENR	3285	Watershed Hydrology	3	
		- Agroecology Specialization	36		ENR	3700	Intro to Spatial Infor. for ENR	3	
HCS	2202	Form and Function in Cultivated Plants			ENR	4260	Soil Resources Management	3	
HCS	3100	Introduction to Agronomy	3		ENR	5260	Soil Landscapes: Morphology,	2	
or HCS		Introduction to Horticulture	3 2		ENID	5262	Genesis & Classification	3 3	
HCS HCS	3220 3310	Crop Origins and Diversity	3		ENR ENR	5263 5268	Biology of Soil Ecosystems	2	
HCS	3320	Crop Responses to the Environment Plant Propagation	3		ENR	5270	Soils and Climate Change Soil Fertility	3	
or HCS		Seed Science	3		ENR	5279	Urban Soils and Ecosystem Services	3	
HCS	5422	Biol. & Mgmt. of Weeds and Inv. Plants			LINK	3219	Orban Sons and Ecosystem Services	3	
HCS	5411	Domestic. & Util. Agron. Crops	3		Riotic Intera	ctions in	Agroecosystems	5-9	
or HCS		Agroecol. of Grasslands and Prairies	3		ANIMSCI	3400	Mgmt. Intensive Grazing	2	
or HCS		Vegetable Crop Production & Physiolog			ENTMLGY	2200	Beekeeping	3	
or HCS		Fruit Crop Physiology & Production	3		ENTMLGY	4600	Introduction to Insect Science	1	
HCS	5602	Ecology of Agriculture (Capstone)	3		ENTMLGY	4601	General Insect Pest Management	2	
or HCS		Advanced Cropping Systems (Capstone			ENTMLGY	5420	Insect Behavior	3	
or HCS		Advanced Horticultural Systems (Capst			ENTMLGY	5500	Biological Control	3	
EEOB	3310.01	Evolution	4		ENTMLGY	5600	Integrated Pest Management	3	
or EEOE	3 3 3 1 0 . 0 2	Evolution	4		PLNTPTH	3001	General Plant Pathology	3	
EEOB	3410	Ecology	4		PLNTPTH	3002	General Plant Pathology Lab	2	
ENR	3000	Soil Science	3		PLNTPTH	5110	Ecol. and Mgmt. of Pathogens and Insects		
ENR	3001	Soil Science Laboratory	1				Affecting Trees in Forest and Urban Enviro.	3	
					PLNTPTH	5140	Diseases of Field Crops	3	
					PLNTPTH	5150	Fruit and Vegetable Diseases	3	
		Agroecology Specialization	6-7		PLNTPTH	5603	Plant Disease Mgmt.	3	
HCS	3380	Latino Workforce in Land Based Indust			Ctudanta mari	talea tha	remaining andit hours from the courses	listed below	
HCS	3488.01				Students may	take the	remaining credit hours from the courses	listed below	
HCS	3521	Greenhouse Systems and Management	2		Donulation a	nd Com	munity Ecology		
HCS	3522	Sustainable Irrigation	3		EEOB	4410	Conservation Biology	3	
HCS	4193 4325	Individual Studies	1-3 3		EEOB	4430	Ecol. Methods I	1-2	
HCS HCS	4323	Plant Genetics Hydroponic Crop Production	2		EEOB	5450	Population Ecology	3	
HCS	4300	Hydroponics Crop Production Lab	1		EEOB	5470	Community & Ecosystems Ecol.	3	
HCS	4560	Creating a Virtual Perspective	3		ENR	4320	Sustainable Forest Products*	3	
HCS	4999	Research with Distinction	1-3		ENR	5274	Ecosystem Simulation	3	
HCS	4999H	Honors Research with Distinction	1-3			•	Ť	-	
HCS 5097.0104 Study Abroad Pre-Departure Course		1		Human Ecol	ogy and	Global Perspectives			
HCS		.04 Study Abroad	3		AEDE	4532	Food Security and Globalization	3	
HCS	5193	Independent Study	1-3		ANIMSCI	3600	Global Food and Agriculture		
HCS	5306	Sustainable Veg Prod Practicum	3		EEOB	4240	Ecology and Evol. of Plants and People		
HCS	5601	Digital Portfolio Development	1		or ANTHRO	5614	Ethnobotany	3	
HCS	5621	Physiology of Cultivated Plants	3		ENR	3600	Sustainable Agriculture & Food System	ns** 3	
HCS	5730	Seed Ecology and Physiology	2		GEOG	3900	Global Climate Change	3	
HCS	5887	Intro to Experimental Design	3		GEOG	5900	Weather, Climate, & Global Warming	3	

<sup>\*</sup> Prerequisites include ENR 2100 & ENR 2300 or permission of instructor

<sup>\*\*</sup> Prerequisites include ENR 3000 and ENR 3500