

Natural Resource Management and Sustainability (Geospatial Information Science) - Fall 2023 to Spring 2025

Fall Entry - Fall 2023 to Fall 2024

Fall 1	Hours
FANR 3060 - Soils & Hydrology	4
prereq Chemistry I	
S: 03 MWF 01-02 R; 03-04 R; 04-05 W; 05-06 R	
F: 03 MWF 01-02 R; 03-04 R; 05-06 R; 05-06 W	
FANR 3300 and 3400 - Economics & Society	4
3300+D - first half of term; 3400+D - last half	
FANR 3300 - Economics	2
prereq Second year student standing	
S: 03 TR 05 F	
F: 02 MW 02 F	
FANR 3400 - Society	2
prereq Second year student standing	
S: 03 TR 05 F	
F: 02 MW 02 F	
GIS Required Option or Elective	3
F: VR	
GIS Required Option or Elective	3
F: VR	
Total Hours:	14



Spring 1	Hours
FORS 4050 - Field Measurements	4
prereq Enrollment in the professional program; pre or coreq: Statistics	
S: 03 MW 04-06 M, 03-04 F	
FANR 3200W - Ecology	4
prereq Biology II	
S: 01 TR 04-06 R; 04-06 T	
F: 02 MWF 04-06 M; 04-06 W	
FANR 3800 - Spatial Analysis	3
pre or coreq FANR 3000, FORS 4050, PRTM 4700, or WILD 4110	
S: 02 MW 04-06 R; 04-06 W	
F: 01 MW 04-06 R; 04-06 W	
GIS Required Option or Elective	4
S: VR	
Total Hours:	15



Fall 2	Hours
GEOG 4590 - Programming for GIS	3
prereq GEOG 4370	
F: 03-04 M 05-06 M	
FANR 4501 or FANR 4960/4970/4980R - Senior Project I or	1
Choose between Senior Project I or Senior Thesis Research. Students taking Senior Thesis may save research hours until their final term, if desired, or may take 1-3 hours in this term, if desired.	
FANR 4501 - Senior Project I	1
pre or coreq FANR 3300, FORS 4700, FISH 4300, or WILD 4100	
S: 01 T	
F: 01 F	
GIS Required Option or Elective	3
F: VR	
GIS Required Option or Elective	3
F: VR	
GIS Required Option or Elective	4
F: VR	
GIS Remote-Sensing Option	3
F: VR	
Total Hours:	17



Spring 2	Hours
FANR 5620 - GIS Applications for Natural Resources	3
prereq FANR 3800+L	
S: 02 TR 03 TR	
FANR 5630 - Statistical Software for Natl Res Mgmt	3
prereq Statistics	
S: 05-06 F	
FANR 3700 - Natural Resources Data Processing	3
prereq Statistics	
S: 02 MWF	
FANR 4502S or FANR 4990R - Senior Project II or Thesis	3
Choose between Senior Project II or Senior Thesis. Students taking Senior Thesis must take at least 1 hour of 4990R, plus an additional three hours from 4960R, 4970R, 4980R, and/or 4990R across all terms	
FANR 4502S - Senior Project II	3
prereq FANR 4501	
S: VR	
F: VR	
FANR 4990R - Senior Thesis	4
prereq final semester; apply on Warnell website	
S: VR	
F: VR	
FANR 4800W - Policy	2
prereq Economics and senior standing	
S: 03 MW	
Total Hours:	14



01	02	03	04	05	06	07	VR	CLASS PERIODS	TERMS	F	S	SU
8:00-9:35a	9:55-11:15a	11:35-12:55p	1:15p-2:35p	2:55p-4:15p	4:35p-5:55p	6:00p or later	various times			fall	spring	summer

IMPORTANT NOTES

Actual class time will be within the period times listed but may be shorter. See course schedule for actual times. All non-Warnell class times are based on pre-2026 times and will likely change.

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WARNING: Do not take GEOG 4370, which repeats material in FANR 3800 & 3800L.

GIS Certificate: students with a 3.0 or higher GPA in the following can receive the GIS certificate: FANR 3800 & 3800L, 5620, GEOG 4590, and GEOG 4350 or 4460 (remote-sensing option)

Major hours needed to graduate: 60

Elective Options		Hours
Remote-Sensing Option		
Choose 1 course (3+ hrs); GEOG 4460 is also approved but not offered consistently		
GEOG 4350 - Remote Sensing of Environment		3
prereq	GEOG 4330	
F:	01-03 T 01-03 R	
GEOG 4460 - Field Methods Remote Sensing		3
prereq	GEOG 4350	
F:	04-05 W	
GIS Geospatial Electives		
10 hours required		
FANR 5640 - Unmanned Aerial Sys in NR		3
prereq	FANR 3800+L	
S:	01 WF 05 M	
FORS 5650 - Aerial Photos		3
prereq	Second year student standing	
S:	01 MW 01 F	
FORS 7670 - Forestry Information Systems		3
even years F:	03 MW	
ATSC 4140 - Satellite Meteor and Climatol		3
prereq	GEOG 1111 or 1112	
F:	03-04 TR	
CRSS 4050 - Nut Energy Eff GIS		4
pre or coreq	CRSS 3030	
F:	03-04 TR	
EDES 4270 - GIS in Env Design		3
F:	04-06 TR	
EDES 4280E - Environmental Design Uses GIS		3
SU:	VR	
GEOG 4330 - Ap Image Interp Lab		3
F:	01-02 MW 01-02 F	
GEOG 4410 - Cartog Visualization Methods		3
S:	04-05 T 05-06 T	
GEOG 4450 - Dig Image Analysis		3
prereq	GEOG 4350	
S:	01-02 TR	
GEOG 4460 - Field Methods Remote Sensing		3
prereq	GEOG 4350	
F:	04-05 W	
GEOG 4470 - Geospat Analy Lab		3
prereq	Statistics and GEOG 4370	
S:	04 MW 05 MW	
GIS Natural Resources Electives		
10 hours required		
FISH 4200 - Aquatic Biology		4
prereq	Biology II	
F:	03 TR 04-06 R	
FISH 4300 - EBF		4
prereq	Biology II	
S:	03 MWF 05-06 F	
FISH 4310 - Freshwater Ecosystems		4
prereq	Ecology	

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F:	01-02 MWF	04-06 W	
	FISH 4500 - Fish Physiology	4	
prereq	FISH/WILD 4300		
F:	05 TR	04-06 F	
	FISH 4550 - Sustainable Aquaculture	4	
prereq	Biology II		
S:	03 TR	04-06 R	
	FISH 4600 - Ecotox	3	
prereq	Biology II and Chemistry II		
F:	05-06 M		
	FISH 4650L - Fisheries Field Camp	4	
prereq	Apply through dfs.uga.edu		
odd years	SU: May: VR		
	FORS 3010 - Dendro	3	
prereq	Biology II		
S:	02 TR	04-06 R; 04-06 T; 04-06 W	
F:	03 TR	04-06 R; 04-06 T; 04-06 W	
	FORS 4010 - Silviculture	4	
prereq	(FANR 3000, FORS 4050, or WILD 4110) and Ecology		
F:	02 MWF	04-06 W	
	FORS 4210 - Forest Health	3	
prereq	Biology II		
S:	05-06 F, 02 MW		
	FORS 4610 - Mensuration	4	
prereq	FANR 3000 or FORS 4050		
F:	02 TR	04-06 R	
	FORS 4620 - Timber Management	4	
prereq	FORS 4610		
S:	03-04 F, 01 MW		
	FORS 4700 - Forest Econ	3	
prereq	Second-year class standing		
F:	03 TR	05-06 F	
	PRTM 3310 - Humans Nature Environ Aware	3	
prereq	Enrollment in Warnell prof program		
F:	07 TR		
	PRTM 4400 - Park Management	3	
prereq	Enrollment in Prof Program and (FANR 1100, 3400, or PRTM 3310)		
S:	03 TR		
	PRTM 5410 - Stewardship & Protection	3	
prereq	FANR 3400 or PRTM 3310		
S:	06-07 T	VR	
	PRTM 5800S - Environmental Interpretation	3	
prereq	Second year student standing		
F:	03 TR		
	PRTM 5900 - Ecotourism and Sust Dev	3	
prereq	FANR 3400 or PRTM 3310		
F:	02 TR		
	WASR 4110 - Forest Hydrology	4	
prereq	ENVE 4435 or FANR 3060 or GEOL 4220 or GEOG 4030 or ECOL 3520 or CRSS 3050 or CRSS 4600		
S:	01 MWF	04-06 T	
	WILD 3000W - Intro to Fish and Wildlife	2	
prereq	Biology II		

F:	01 TR	
	WILD 3580 - Vertebrate Natural History	4
prereq	Biology II, enrollment in prof program	
S:	01 MWF	04-06 R; 04-06 T; 04-06 W
	WILD 4040 - Herpetology	4
prereq	Biology II and permission of instructor	
S:	02 TR	04-06 T
	WILD 4050 - Mammalogy	4
prereq	WILD 3580+L	
F:	03 MWF	04-06 T
	WILD 4060 - Ornithology	4
prereq	Biology II	
S:	03 MWF	01-02 F
	WILD 4100 - Wildlife Habitat	3
pre or coreq	Ecology & (WILD 1100E or 3000W)	
F:	02 TR	04-06 F
	WILD 4400 - Physiology & Nutrition	3
pre or coreq	WILD(FISH) 3000W or WILD 1100E	
odd years	S:	02 TR
	WILD 4500 - Non-game & Endangered Species	3
prereq	(WILD 3000W or 1100E) and (WILD 4110 or 4700) and Ecology	
even years	F:	02 TR
	WILD 5100 - Wildlife Diseases	3
S:	03 TR	
	WILD 5700 - Pop Dy	3
prereq	Precalculus and Ecology	
F:	02 MW	04-06 W
	ECOL 4050 - Ichthyology	4
prereq	BIOL 1108	
F:	02-03 TR	02-04 M



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