

**NATURAL RESOURCE MANAGEMENT & SUSTAINABILITY MAJOR (Water & Soil Resources Area of Emphasis)
COURSE SEQUENCE--SPRING ENTRY (Spring 2019 to Spring 2020)**

SPRING 2020		
FANR 3000	Field Methods	4
prereq: Enrollment in Warnell prof program		
F:	72 TR	07-08F+(M or 74-76T)
S:	03 MW	07-08F+(M or 74-76T)
FANR 3060	Soils and Hydrology	4
prereq: Chemistry I		
F:	04 MWF	W, R: var.
S:	04 MWF	W, R: var.
FANR 3300	Economics of Ren. Resources	2
1st half	F: 71 TR	01-02 F
of term	S: 73 TR	05-06 F
FANR 3400	Society and Natural Res.	2
2nd half	F: 71 TR	01-02 F
of term	S: 73 TR	05-06 F
GEO 4220	Hydrogeology	3
prereq: none		
S:	75 TR	
TERM TOTAL: 15		

FALL 2020		
FANR 3200W	Ecology of Natural Res.	4
prereq: Biology II		
F:	03 MWF	M, F
S:	71 TR	T, R
FANR 3800	Spatial Analysis	3
prereq: FANR 3000		
F:	01 MW	W, R
S:	05 MW	W, R
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
REQUIRED OPTION, ELECTIVE, or PHYSICS 4		
TERM TOTAL: 15		

CLASS PERIODS:	
01	8:00-8:50a
02	9:05-9:55a
03	10:10-11:00a
04	11:15-12:05p
05	12:20-1:10p
06	1:25-2:15p
07	2:30-3:20p
08	3:35-4:25p
09	4:40-5:30p
10	5:45-6:35p
11	6:50-7:40p
12	7:55-8:45p
13	9:00-9:15p
71	8:00-9:15a
72	9:30-10:45a
73	11:00-12:15p
74	12:30-1:45p
75	2:00-3:15p
76	3:30-4:45p
77	5:00-6:15p
78	6:30-7:45p
79	8:00-9:15p
80	9:30-10:45p
VR	various times
AR	to be arranged

SPRING 2021		
CRSS 4670	Environmental Soil Chemistry	3
prereq: FANR 3060		
S:	72 TR	
FANR 4800W	Renewable Resource Policy	2
prereq: Economics and senior standing		
S:	03 MW	
WASR 4110	Forest Hydrology	4
prereq: FANR 3060		
S:	01 MWF	T
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
TERM TOTAL: 15		

FALL 2021		
FANR 4500S or 4990R	Senior Project or Senior Thesis	4
pre or coreq: FANR 3300, final semester		
F:	3:30-4:30 R	or var.
S:	01 M	or var.
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
REQUIRED OPTION, ELECTIVE, or PHYSICS 3		
TERM TOTAL: 15		

TERMS:	
F:	Fall
S:	Spring
SU:	Summer

All non-Warnell course times are subject to change without notice.

Hours Needed to Graduate:
60

Underneath each course title, you will find listed the term, the class period and days meeting for the lecture, and the day(s) the labs are offered, separated by a comma for separate sections. Assume the labs are in the afternoon (periods 06 or 75 or later), unless otherwise noted.

**NATURAL RESOURCE MANAGEMENT & SUSTAINABILITY MAJOR (Water & Soil Resources Area of Emphasis)
COURSE SEQUENCE--SPRING ENTRY (continued)**

OPTIONS & ELECTIVES:

REQUIRED OPTION #1			
CRSS 4600	Soil Physics	4	
prereq:	FANR 3060, Calculus, & Physics I		
also online	S: 05 MWF	74-75 R	
WASR 4500	Quant. Methods in Hydrology	3	
prereq:	FANR 3060		
	F: 72 TR		

REQUIRED OPTION #2			
CRSS 4540	Pedology	3	
prereq:	FANR 3060		
	S: 03 MWF	07-09 M	

^req'd for cert as soil classifier in Georgia

GEOG 3010	General Geomorphology	3	
prereq:	none		
	F: 73 TR		

REQUIRED OPTION #3			
CRSS 4610	Soil Microbiology	3	
prereq:	none		
	F: 02 MW	06-07 F	
EHSC 4310	Environmental Microbiology	4	
prereq:	MIBO 3000 or 3500		
	S: 72 TR	06-08 W	
WASR 4310	Freshwater Ecosystems	4	
prereq:	FANR 3200W		
	F: 02 MWF	06-08 M	

COMPUTER PROGRAMMING OPTION			
CSCI 1301	Intro to Computing	4	
prereq:	Precalculus		
	F: 72, 73, 74, or 75 TR*		
	S: 72, 73, 74, or 75 TR*		
	SU: also offered		

^many labs are offered at various times

CSCI 1360	Informatics & Data Analytics	4	
prereq:	Precalculus		
	S: 76 TR	08 W	
CSCI 2150	Intro to Computational Science	4	
prereq:	Precalculus		
even years	S: 72 TR	08 MW or 73 TR	
FANR 4700	Computational Plant Science	3	
prereq:	STAT 2000 or BIOS 2010		
	S: AR		

PHYSICS I			
PHYS 1111	Physics I	4	
prereq:	Precalculus		
	F: 06 MWF	various	
	F: 07 MWF	various	
	F: 72 TR	various	
	F: 73 TR	various	
	S: 06 MWF	various	
	S: 07 MWF	various	
	SU: also offered		

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Water & Soil Resources Electives (9 hrs)			
CRSS 2010	Crop Science	3	
prereq:	none		
CRSS 3540	Soil Morphology & Interp.	1-3	
prereq:	permission of department		
CRSS 4540	Pedology	3	
prereq:	FANR 3060		
CRSS 4580	Soil Erosion & Conservation	3	
prereq:	FANR 3060		
CRSS 4600	Soil Physics	3	
prereq:	FANR 3060, Calculus, and Physics I		
CRSS 4610	Soil Microbiology	3	
prereq:	none		
EHSC 4310	Environmental Microbiology	4	
prereq:	MIBO 3000 or 3500		
EHSC 4350	Environmental Chemistry	3	
prereq:	Organic Chemistry I & Precalculus		
pre or coreq:	STAT 2000 or BIOS 2010		
EHSC 4490	Environmental Toxicology	3	
prereq:	Organic Chemistry I & Biology II		
EHSC 4610	Water Pollution & Health	3	
prereq:	FANR 3060		
FORS 3010	Dendrology	3	
prereq:	Biology II		
	F: 73 TR	T, W, R	
	S: 72 TR	T, W, R	
GEOG 3010	General Geomorphology	3	
prereq:	none		
GEOG 4060	Field Mthds: Monitor & Assess	3	
prereq:	none		
GEOG 4300	Data Science in Geography	3	
coreq:	none		
GEOG 4330	Aerial Photos & Interp	3	
prereq:	none		
GEOG 4350	Remote Sensing of Envir.	3	
prereq:	GEOG 4330		
GEOL 3010	Earth Materials	4	
prereq:	Chemistry I		
GEOL 3020	Surficial & Near-Surf. Proc.	4	
prereq:	GEOL 1121 or 1250		
pre or coreq:	GEOL 1122 or 1260		
GEOL 4110	Principles of Geochemistry	3	
prereq:	Chemistry II & GEOL 3010		
WASR 3000+	any 3000+ WASR course	var.	
prereq:	various		
WASR 3900	WASR Internship	3	
prereq:	apply before internship on Warnell site		
	SU: VR		
^only 3 hrs of 3900 can count towards graduation			
WASR 4000	Forest Soil Management	3	
prereq:	FANR 3060		
odd years	S: 71 TR	75-76 R	
WASR 4310	Freshwater Ecosystems	4	
prereq:	FANR 3200W		
	F: 02 MWF	06-08 M	
WASR 4500	Quant. Methods in Hydrol.	3	
prereq:	FANR 3060		
	F: 72 TR		
WASR 4660	Hydrogeochem. Characteriz.	3	
prereq:	Chemistry II and FANR 3060		
	S: AR		
WASR 4700L	Hydrol., Geol., & Soils of GA	3	
prereq:	apply through StudyAway portal		
	SU: VR (Maymester)		
or other, advisor-approved course			

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