## Natural Resource Management and Sustainability (Water and Soil Resources) - Fall 2025 and later

Spring Entry - Spring 2026 and later

			Spring 1		Hours
FANR 320	00W	+L - Ecology			4
prereq	Bio	logy II			
	S:	01 TR	04-06 R; 04-06 T		
	F:	02 MWF	04-06 M; 04-06 W		
FORS 405	0+L	- Field Meası	urements		4
prereq	Enr	ollment in th	e professional program; p	e or coreq: St	atistics
	S:	03 MW	04-06 M, 03-04 F		
WASR Re	quir	ed Option, El	ective, or Physics		3
	S:	VR			
WASR Re	quir	ed Option, El	ective, or Physics		4
	S:	VR			
			1	otal Hours:	15
			<b>V</b>		

			Fall 1	Hours
FANR 30	60+L	- Soils & Hy	drology	4
prereq	Che	emistry I		
	S:	03 MWF	01-02 R; 03-04 R; 04-05 W; 05-06 F	2
	F:	03 MWF	01-02 R; 03-04 R; 05-06 R; 05-06 W	1
FANR 330	00+D	and 3400+0	O - Economics & Society	4
3300+D -	first	half of term	; 3400+D - last half	
	FAN	NR 3300 - Ec	onomics	2
prereq	Sec	ond year stu	ident standing	
	S:	03 TR	05 F	
	F:	02 MW	02 F	
	FAN	NR 3400 - So	ciety	2
prereq	Sec	ond year stu	ident standing	
	S:	03 TR	05 F	
	F:	02 MW	02 F	
FANR 380	00+L	- Spatial Ana	alysis	3
pre or coreq	FAN	NR 3000, FOI	RS 4050, PRTM 4700, or WILD 4110	
	S:	02 MW	04-06 R; 04-06 W	
	F:	01 MW	04-06 R; 04-06 W	
WASR Re	quir	ed Option, E	lective, or Physics	3
	F:	VR		
WASR Re	quir	ed Option, E	lective, or Physics	3
	F:	VR		
			Total Hours:	17

			Spring 2	Hours
CRSS 467	0 - E	nvironmental S	Soil Chemistry	3
prereq	CRS	SS 3060 or FAN	IR 3060	
	S:	02 TR		
WASR 41	10+I	- Forest Hydro	ology	4
prereq			NR 3060 or GEOL 4220 or GEOG 403 0 or CRSS 4600	30 or ECOL
	S:	01 MWF	04-06 T	
ANR 370	00 - 1	Natural Resour	ces Data Processing	3
prereq	Sta	tistics		
	S:	02 MWF		
ANR 450 Research	)1 oı	FANR 4960/49	970/4980R - Senior Project I or	1
	FAI	NR 4501 - Senio	or Project I	1
pre or coreq	FAI	NR 3300, FORS	4700, FISH 4300, or WILD 4100	
	S:	01 T		
	F:	01 F		
ANR 480	ow	- Policy		2
prereq	Eco	nomics and se	nior standing	
	S:	03 MW		
NASR Re	quir	ed Option, Elec	ctive, or Physics	3
	S:	VR		

		<b>V</b>	
		Fall 2	Hours
ANR 450	02S d	or FANR 4990R - Senior Project II or Thes	is 3
Thesis m	ust t	een Senior Project II or Senior Thesis. St ake at least 1 hour of 4990R, plus an add 1970R, 4980R, and/or 4990R across all t	ditional three hours
	FAI	NR 4502S - Senior Project II	3
prereq	FAI	NR 4501	
	S:	VR	
	F:	VR	
	FAI	NR 4990R - Senior Thesis	4
prereq	fina	al semester; apply on Warnell website	
	S:	VR	
	F:	VR	
NASR Re	quir	ed Option, Elective, or Physics	3
	F:	VR	
NASR Re	quir	ed Option, Elective, or Physics	3
	F:	VR	
NASR Re	quir	ed Option, Elective, or Physics	3
	F:	VR	
		Т	otal Hours: 12

Pre-requisites and class times for non-Warnell courses are subject to change without notice.

Major hours needed to graduate: 60

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

TERMS	F	S	SU	
	fall	spring	summei	

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.

## Natural Resource Management and Sustainability (Water and Soil Resources) - Fall 2025 and later

Spring Entry - Spring 2026 and later

		Electiv	e Option	S		Hours	
HYS 111	.1+L	- Introductory Ph	nysics I				
choose o	ne P	hysics I course (4	+ hours)				
	PH	/S 1111 - Intro Ph	nysics Me	chanic		4	
prereq	Pre	calculus					
	S:	01-02 TR; 03 MWF; 03-04 MWF	R; 04-0	5 M; 04-05	; 01-02 R; 01 5 W; 04-06 T ; 07 M; 07 V		
	SU:	01-02 MTWRF	04-05	лw; 04-05	TR		
	F:	01-02 TR; 02 MWF; 03-04 MWF; 04 MWF	T; 03-0	4 M; 03-04	W; 04-05 T	)2-03 R; 02-0 T; 05-06 M; 0 )7 T; 06-07 V	
	PH	/S 1211 - Prin Ph	ysics for S	cie Engr L	э	4	
prereq	Calo	culus					
	S:	01-02 TR; 03- 04 MWF; 04 MWF	02-03 F R; 07 T	; 02-03 M	; 02-03 W; 0	)4-05 R; 06-0	
	SU:	03 MTWRF	05-07	// W			
	F:	01-02 MWF; 02-03 TR; 03- 04 TR; 05 MWF; 05-06 MWF			02-03 M; 02 05 M; 06-07	2-03 W; 03-0 W	
	F:	01-02 MWF; 02-03 TR; 03- 04 TR; 05 MWF; 05-06 MWF			02-03 M; 02 05 M; 06-07	2-03 W; 03-0 W	
	PH\	/S 1311 - Adv Int	roductory	Physics I	la	4	
prereq		TH 2250; pre or		•			
proreq	S:	03-04 TR	01-02 7				
Required		ion #1 (CHOOSE					
		ourses (6+ hours					
		SR 4500 - Quant		ethods/Hy	drol	3	
prereq	ENVE 4435 or FANR 3060 or WASR 4110 or GEOL 4220 or GEOG 4030 or CRSS 4600						
	F:	02 TR					
	CRS	SS 4600 - Soil Phy	sics			4	
prereq	FAN	NR 3060 and Calc	ulus and	Physics I			
	S:	03 MWF	05-06 F	3			
	GEO	DL 4220 - Hydrog	eology			3	
	F:	03-04 TR					
Required	Opti	ion #2					
Choose o	ne c	ourse (3+ hours)					
	ATS	C 3110 - Ølimato	logy			3	
	S:	01-02 TR					
	CRS	SS 4540 - Pedolog	ξV			3	
prereq	FAN	NR 3060					
	S:	05-06 M, 02 W	F 05-06 N	VI			
		OG 1111 - Intro P				3	
	S:	01-02 TR; 02 M	-		4 TR		
	F:	01-02 HK, 02 W		- 111, 05-0			
		OG 1113 - Earth S		orms 0. Fr	viro	2	
			ourr Landi	orms & Er	IVITO	3	
	S:	05-06 TR					
	F:	04-05 TR					
		DG 1113E - Earth		itorms & E	nviro	3	
	SU:	2nd session: VF	{				

	GEOG 3010 - General Geomorphology	3
	F: 02-03 TR	
	GEOL 1120 - Environmental Geoscience	3
	S: 02 WF	
	F: 02-03 TR	
	GEOL 1120E - Environmental Geoscience	3
	SU: VR	
	GEOL 1250 - Physical Geol Lab	4
	F: 02 MWF 04-05 R; 04-05 T	
	GEOL 2350H - Physical Geology	4
prereq	Permission of Honors	
	SU: Extended VR	
	session: VR	
Required	Option #3	
Choose o	ne course (3+ hours)	
	FISH 4310 - Freshwater Ecosystems	4
prereq	Ecology	
	F: 01-02 MWF 04-06 W	
	CRSS 4610 - Soil Microbiology	4
	F: 01-02 MWF 01-02 R	
	EHSC 4310 - Environmental Microbiology	4
prereq	MIBO 3000 or 3500	
	S: 02 TR 05-06 M	
NASR Ele	ctives	
Choose 8	hours with your faculty mentor	
	COFA 5301 - Comm Urban Soils Site Develop	4
prereg	FANR 3060 and COFA 5001	
	S: 01 MW 04-06 W	
		1-9
prereg	FANR 4271 - People Planet and Profit	1-9
prereq	FANR 4271 - People Planet and Profit Apply through the StudyAway portal	1-9
prereq	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR	1-9
	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR FISH 4310 - Freshwater Ecosystems	
prereq	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR FISH 4310 - Freshwater Ecosystems Ecology	
	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR FISH 4310 - Freshwater Ecosystems Ecology F: 01-02 MWF 04-06 W	4
prereq	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR FISH 4310 - Freshwater Ecosystems Ecology F: 01-02 MWF 04-06 W FORS 3010 - Dendro	
	FANR 4271 - People Planet and Profit Apply through the StudyAway portal SU: VR FISH 4310 - Freshwater Ecosystems Ecology F: 01-02 MWF 04-06 W FORS 3010 - Dendro Biology II	4
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF 04-06 W  FORS 3010 - Dendro  Biology II  S: 02 TR 04-06 R; 04-06 T; 04-06 W	4
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF 04-06 W  FORS 3010 - Dendro  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 4700 - Forest Econ	4
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF 04-06 W  FORS 3010 - Dendro  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 4700 - Forest Econ  Second-year class standing	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF 04-06 W  FORS 3010 - Dendro  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 4700 - Forest Econ  Second-year class standing F: 03 TR 05-06 F	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF 04-06 W  FORS 3010 - Dendro  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 4700 - Forest Econ  Second-year class standing  F: 03 TR 05-06 F  FORS 5600 - Wildland Fire	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3 3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3
prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3 3
prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3 3
prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3 3
prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology  F: 01-02 MWF	3 3
prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF	3 3
prereq prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF	3 3 3
prereq prereq prereq prereq prereq	FANR 4271 - People Planet and Profit  Apply through the StudyAway portal  SU: VR  FISH 4310 - Freshwater Ecosystems  Ecology F: 01-02 MWF	3 3 3

07 VR S SU 02 03 04 05 06 **CLASS** 01 **TERMS** 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 **PERIODS** 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.

## Natural Resource Management and Sustainability (Water and Soil Resources) - Fall 2025 and later

## Spring Entry - Spring 2026 and later

	ENVE 4435 or FANR 3060 or GEOL 4220 or GEOG 4030 or ECOL
prereq	3520 or CRSS 3050 or CRSS 4600
	S: 01 MWF 04-06 T
	WASR 4400 - Wetland Mgmt and Restoration 3
prereq	WASR 1020, FANR 3060, or Ecology
	S: 03 MW 04-06 W
	WASR 4500 - Quantitative Methods/Hydrol. 3
prereq	ENVE 4435 or FANR 3060 or WASR 4110 or GEOL 4220 or GEOG
	4030 or CRSS 4600
	F: 02 TR
	WASR 4660 - Envir Field Site Characteriz 3
prereq	Chemistry II and FANR 3060
	S: 04-06 WF
	WASR 4700L - Hydrology Field Study 3
prereq	Permission of instructor
	SU: May: VR
	CRSS 2010 - Crop Science 3
	F: 05 MWF
prores	CRSS 3540 - Soil Morphology and Interpret 1-3
prered	Permission of department  F: VR
	CRSS 4540 - Pedology 3
nrerea	FANR 3060
prereq	S: 05-06 M, 02 WF 05-06 M
	CRSS 4580 - Erosion and Conserv 3
prerea	FANR 3060
1 1	S: 03 TR
	CRSS 4600 - Soil Physics 4
prereq	FANR 3060 and Calculus and Physics I
	S: 03 MWF 05-06 R
	CRSS 4610 - Soil Microbiology 4
	F: 01-02 MWF 01-02 R
	ECOL 2100 - Glob Clima Change 3
	S: 05 TR
	ECOL 3440 - Science Communication for Ecol 3
prereq	
	S: 02 TR
	F: 04-05 TR
	ECOL 3530 - Conserv Biology 3
prereq	Biology II
	S: 03 MW
	F: 01-02 TR; 04-05 TR  ECOL 3530E - Conservation Biology 3
prereq	e,
prefeq	SU: VR
	EHSC 4610 - Water Pollution Human Health 3
prereq	
,	F: 03-04 TR
	GEOG 3010 - General Geomorphology 3
	F: 02-03 TR
	GEOG 4300 - Intro Spatial Analy 3
	F: 05-06 TR
	GEOG 4330 - Ap Image Interp Lab 3
	F: 01-02 MW 01-02 F

	GEOG 4350 - Remote Sensing of Environment				
prereq	GEOG 4330				
	F: 01-03 T	01-03 R			
	GEOL 3010 - Earth N	Naterials Lab	4		
prereq	Chemistry I				
	F: 03-04 MW	04-06 MW			
	GEOL 3020 - Surficia	l Near-Surf Proc Lab	4		
prereq	GEOL 1121 or 1250;	pre or co: GEOL 1122 or 1260			
	F: 01-02 TR	04-07 T			
		_			

Pre-requisites and class times for non-Warnell courses are subject to change without notice.

Major hours needed to graduate: 60

01	02	03	04	05	06	07	VR	CLASS
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	PERIODS

TERMS	F	S	SU
	fall	spring	summe
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IMPORTANT NOTES

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