

2010 - 2011 Advising Checklist
Requirements for degree (BS) in ECOLOGY & CONSERVATION BIOLOGY
with CONSERVATION BIOLOGY OPTION
College of Natural Resources

Name _____

Advisor _____

College Transferred from _____ Year Started UI _____

Course	Title (Prerequisites)	CR	Sem/ Yr	GR	Course	Title (Prerequisites)	CR	Sem/ Yr	G R
FIRST YEAR					THIRD YEAR				
NR	200 Seminar (perm)	1	S		Engl	317 Technical and Engineering Report Writing (Engl 102, exam, Jr standing)	3	FS	
NR	101 Exploring Natural Resources	1	F		Phil **	452 Environmental Philosophy	3	F	
Chem	101 Introduction to Chemistry I	4	FS		For	383 Econ/Nat Res Mgrs(Econ 202, Math 160, For 235) or	3	F/S	
Chem	111 Principles of Chemistry I				OR	383 Res. Econ. for Env. Policy (Econ 201 or 202) or			
Biol	115 Cells & Evol. Life (pre-req/co-req Chem 101/111)	4	FS		Econ	385 Environmental Econ (Econ 202 or 272 or Perm.)			
Comm	101 Fundamentals of Public Speaking	2	FS		Fish**	316 Princ. of Population Dynamics(For /REM 221)	2	S	
Engl	102 College Writing and Rhetoric	3	FS		Wif**	316 OR Wildlife Ecol II (Wif. 314 & 315)	4	S	
Math	160 Survey of Calculus (scores, test, or math 143) OR	4	FS		REM	341 Systematic Botany (Biol 115 & 116) OR	3	S	
Math	170 Analy Geo & Calc I (math 143, geom/trig scores)	4	FS		For	320 Dendrology (Biol 116 or perm.)	3	S	
SECOND YEAR					FOURTH YEAR				
Biol *	116 Organisms & Environ. (Biol 115 & Chem 101)	4	FS		CSS/Fish/ ForP/For/ NR/REM/ Wif	497 Senior Thesis	1/2	FS	
Biol *	213 Princ of Biol Struc & Funct (Biol. 115 & 116)	4	S			OR			
Econ	202 Principles of Economics	3	FS			485 Nat Res Ecol & Cons Biol Project	1/2	FS	
Econ	272 Foundations of Economics	4	FS			483 Senior Project Presentation (Sr.)	1	FS	
For/CSS	235 Society & Natural Resources	3	FS		Biol **	421 Adv. Evol./Pop.Dyn. (For /REM 221 or Biol 314)	3	F	
Stat*	251 Principles of Statistics (Math 137, 143 or 160)	3	FS		Wif **	440 Conservation Biology (For/REM 221 or perm)	3	F	
For/REM*	221 Ecology (Biol 115 or 116, 213 recomn)	3	FS		CSS**	493 Internat'l Land Pres. & Cons. Systems	3	S	
Biol	210 Genetics (Biol 115 or MMBB 250) OR	4	F		REM**	429 Landscape Ecology of Forests & Rangelands	3	S	
Gene	314 General Genetics (Biol 115 or MMBB 154)	3	S						
Quantitative Resource Analysis Restricted Electives - 2 courses (see back):					Ecology Restricted Electives - 2 courses minimum 6 credits (see back):				
Social/Political Restricted Electives- 1 course (see back):					Organismal Biology (choose one course):				
					Ent	211 Insect Biology	4	F	
					Biol	483 Mammalogy (Biol 115 & 116)	3	F	
					Biol	489 Herpetology (Biol 115 & 116)	4	F	
					Biol	481 Ichthyology (Biol 115 & 116)	4	S	
					Wif	482 Ornithology (Biol 213)	3	S	
					REM	353 Range Plant ID & Ecol (For/REM 221)	3	F	
COURSES FOR UNIVERSITY OR STATE BOARD CORE									
Core		4							
		3							
		SS	3						
		H	3						

- No upper division course may be taken while on probation.
- 36 upper division credits must be completed. Transfer courses are upper division if they were 300 or 400 level courses at a previous institution.
- NOTE: Students pursuing a B.S. in Ecology and Conservation Biology must receive a grade of C or better in each of the following 4 indicator courses to register in upper division courses in Fish/For/Rnge/CSS/Wif and to graduate with a B.S. in either option: **Biol 116; Biol 213; Stat 251; For or REM 221.** *
- To graduate, a student must also achieve a "C" or better in each of these core Conservation Biology option course **Biol 421, NR 200, Fish or Wif 316, REM 429, Phil 452, CSS 493, Wif 440, ****
- Before students are allowed to begin their senior thesis or project (497 or 485), they must attend two evening thesis/project sessions and one senior poster presentation.

	<i>course</i>	<i>semester</i>	<i>grade</i>
	Biol 116	_____	_____
	Biol 213	_____	_____
	Stat 251	_____	_____
	For or REM 221	_____	_____

2010 - 2011 ADVISING CHECKLIST - CONSERVATION BIOLOGY OPTION

Course	Title	CR	Sem/Yr.	GR
--------	-------	----	---------	----

Resource Management Restricted Electives (choose one course):

Cons. Social Science	385	Conservation Management & Planning I (NR 101,CSS 287)	3	F	
Cons. Social Science	490	Wilderness & Protected Area Management	3	S	Offered alternate years / spring
Cons. Social Science	496	Monitoring Impacts in Protected Areas and Wilderness	3	S	Offered alternate years / spring
Fish	418	Fisheries Management (Fish 314 & 411, Statistics 251)	4	F	
Forest Resources ***	424	Forest Dynamics & Management (For 324 and 330)	4	F	
Forest Resources	462	Watershed Management (For/REM 221)	2	F	
REM	454	Rangeland Weed Management (recommended pre-req. PISc 338)- Offered alt. yrs / spring	3	S	
REM	456	Integrated Rangeland Management (REM 251)	3	S	
Wildlife	492	Wildlife Management (For/REM 221, Wlf 316, 448)	4	S	

Quantitative Resource Analysis Restricted Electives (choose two courses):

Cons. Social Science	310	Social Research Methods in Conservation (Stat 251)	4	F	
Forest Resources	375	Introduction to Spatial Analysis for Natural Resource Managers (college algebra)	3	S	
For Res/REM	472	Remote Sensing of the Environment /Lab optional	3-4	F	
Forest Resources***	474	Forest Inventory (Stat 251 and permission)	3	S	
Geography	385	GIS Primer	3	FS	
REM	357	Rangeland and Riparian Habitat Assessment (Stat 251)	3	F	
Statistics	401	Statistical Analysis (Statistics 251 or 271 or 301)	3	FS	
Statistics	422	Sampling Methods (Statistics 251 or 271 or 301)	3	S	
Wildlife	448	Fish & Wildlife Population Ecology (Stat 251, Fish or Wlf 316)	4	F	

Ecology Restricted Electives (choose two courses, minimum 6 credits, 2 credits of which are from asterisked * courses):**

Biology	478	Animal Behavior (Biol 115 & 116)	3	S	
Entomology	472	Aquatic Entomology/Lab	3	S	Offered alternate years/ spring
Fish	314	Fish Ecology (For or REM 221 or Biol 314)	3	F	
Fish***	315	Fish Ecology Lab (co-req. Fish 314, For or REM 221 or Biol 314)	1	F	
Fish***	415	Limnology (For/REM 221 or Biology 314 and Stat 251)	4	F	
Fish/REM***	430	Riparian Ecology and Management (For or REM 221 or Biol 314)	3	S	
Fish/REM***	435	Wetland Ecology & Management (For or REM 221 or Biol 314)	3		Check for when offered
Forest Resources	330	Forest Ecosystem Processes (Soil 205, Math 143 or 160, Phys 100 or 111, or perm)	3	F	
Forest Resources***	423	Forest Community Ecology (For or REM 221 or Biol 341)	1	F	
Forest Resources	426	Wildland Fire Ecology and Management (For or REM 221)	3	F	
Forest Resources***	463	Hydrologic Measurement Techniques (For 462)	1	F	
Forest Resources	468	Forest and Plant Pathology (For 320 and For 330)	2	S	
Forest Resources	469	Introduction to Forest Insects (For or REM 221)	2	S	
Geog	310	Biogeography (Geog 100)	2-3	F	
Geog/REM	450	Global Environmental Change (Math 143 or Stat 251)	3	S	
MMBB	425	Microbial Ecology (MMBB 250, Math 137 or 143)	3	S	
Plant Science	410	Biology of Weeds (Biol 311)	3	F	
REM	440	Wildland Restoration Ecology (For or REM 221 or Biol 314)	3	S	
REM	459	Rangeland Ecology (For or REM 221 or Biol 314)	2	F	
REM***	460	Rangeland Ecology Current Topics & Field Studies (For/REM 221 or Biol 314, co-req REM 459)	1	F	
Wildlife	314	Wildlife Ecology I (For or REM 221 or Biology 314)	3	F	
Wildlife***	315	Wildlife Ecology I Lab (For or REM 221, Wlf 314 co-req.)	1	F	

Social/Political Restricted Electives (choose one course):

Communication	331	Conflict Management	3	FS	
Cons. Social Science	387	Environmental Communication Skills (CSS 287 or permission)	3	S	
Cons. Social Sciences	481	Conservation Leadership	3	S	
Cons. Social Science	486	Public Involvement in Natural Resource Management	3	S	
Cons. Social Science	489	Personalities and Philosophies in Conservation	2	S	
Cons. Social Science	494	Public Relations for Natural Resource Professionals	3	F	
Forest Resources	484	Forest Policy and Administration	2	S	
History	424	American Environmental History	3	S	
Phil	382	Philosophy of Ecology	3		Check for when offered
Phil	457	Natural Resource Ethics	3	S	Offered alternate years / spring
PolS / CSS	364	Politics of the Environment	3	F	

Electives to total 128 credits