2008-2009 Advising Checklist
Requirements for degree (BS) in ECOLOGY & CONSERVATION BIOLOGY
with CONSERVATION BIOLOGY OPTION
College of Natural Resources

Name _____ High School _____ Advisor _____

College Transferred from _____ Year Started UI _____

Course		Title (Prerequisites)	CR	Sem/ Yr	GR
		FIRST YEAR			
NR	**200**	Seminar (perm)	1	S	
NR	**101**	Exploring Natural Resources	1	F	
Chem	**101**	Introduction to Chemistry I **OR**	4	FS	
Chem	**111**	Principles of Chemistry I			
Biol	**115**	Cells & Evol. Life (pre-req/co-req Chem 101/111)	4	FS	
Comm	**101**	Fundamentals of Public Speaking	2	FS	
Engl	**102**	College Writing and Rhetoric	3	FS	
Math	**160**	Survey of Calculus (scores, test, or math 143) **OR**	4	FS	
Math	**170**	Analy Geo & Calc I (math 143, geom/trig scores)	4	FS	
		SECOND YEAR			
Biol *	**116**	Organisms & Environ. (Biol 115 & Chem 101)	4	FS	
Biol *	**213**	Princ of Biol Struc & Funct (Biol. 115 & 116)	4	S	
Econ	**202**	Principles of Economics	3	FS	
For/CSS	**235**	Society & Natural Resources	3	FS	
Stat*	**251**	Principles of Statistics (Math 137, 143 or 160)	3	FS	
For/REM*	**221**	Ecology (Biol 115 or 116, 213 recomm)	3	FS	
Biol	**210**	Genetics (Biol 115 or MMBB 250) **OR**	4	F	
Gene	**314**	General Genetics (Biol 115 or MMBB 154)	3	S	
Quantitative Resource Analysis Restricted Electives - 2 courses (see back):					
Social/Political Restricted Electives- 1 course (see back):					
Resource Management Restricted Electives - 1 course (see back):					
COURSES FOR UNIVERSITY OR STATE BOARD CORE					
Core			4		
			3		
		SS	3		
		H	3		

Course		Title (Prerequisites)	CR	Sem/ Yr	GR
		THIRD YEAR			
Engl	**317**	Technical and Engineering Report Writing (Engl 102, exam, Jr standing)	3	FS	
Phil **	**452**	Environmental Philosophy	3	F	
For	**383**	Econ/Nat Res Mgrs(Econ 202, Math 160, For 235) **or**	3	F/S	
CSS	**383**	Res. Econ. for Env. Policy (Econ 201 or 202) **or**			
AgEc	**451**	Land & NR Econ (AgEc301, Econ 352, or Perm.) **or**			
Econ	**385**	Environmental Econ (Econ 202 or 272 or Perm.)			
Fish**	**316**	Princ. of Population Dynamics(For /REM 221)	2	S	
Wlf**	**316**	**OR** Wildlife Ecol II (Wlf. 314 & 315)	4	S	
Biol	**341**	Systematic Botany (Biol 115 & 116) **OR**	3	S	
For	**320**	Dendrology (Biol 116 or perm.)	3	S	
		FOURTH YEAR			
CSS/Fish/ ForP/For/ NR/REM/ Wlf	**497**	Senior Thesis	1/2	FS	
		OR			
	485	Nat Res Ecol & Cons Biol Project	1/2	FS	
	483	Senior Project Presentation (Sr.)	1	FS	
Biol **	**421**	Adv. Evol./Pop.Dyn. (For /REM 221 or Biol 314)	3	F	
Wlf **	**440**	Conservation Biology (For/REM 221 or perm)	3	F	
ForP / For / Wlf	**470**	Interdisc Natural Resource Planning (Sr., For/REM 221, For/CSS 235, or perm)	3	S	
CSS**	**493**	Internat'l Land Pres. & Cons. Systems	3	S	
For/REM**	**429**	Landscape Ecology of Forests & Rangelands	3	S	
Ecology Restricted Electives - 2 courses minimum 6 credits (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	
Wlf	**482**	Ornithology (Biol 213)	3	S	
REM	**353**	Range Plant ID & Ecol (For/REM 221)	3	F	

course	*semester*	*grade*
Biol 116	_____	_____
Biol 213	_____	_____
Stat 251	_____	_____
For or REM 221	_____	_____

1. No upper division course may be taken while on probation.
2. 36 upper division credits must be completed. Transfer courses are upper division if they were 300 or 400 level courses at a previous institution.
3. 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/Wlf and to graduate with a B.S. in either option: **Biol 116; Biol 213; Stat 251; For or REM 221**. *****
4. 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 Wlf 316, For/REM 429 , Phil 452, CSS 493, Wlf 440, ****
5. 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.

2008-2009 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 Offered alternate years / spring	3	S	
Cons. Social Science	**496**	Monitoring Impacts in Protected Areas and Wilderness Offered alternate years / spring	3	S	
Fish	**418**	Fisheries Management (Fish 314 & 411, Statistics 251)	4	F	
Forest Resources ***	**424**	Forest Dynamics & Management (For 324 and 330)	2	F	
Forest Resources	**462**	Watershed Management (For/REM 221)	2	F	
REM	**454**	Rangeland Weed Management (recommended pre-req. PlSc 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 Offered alternate years/ spring	3	S	
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) Check for when offered	3		
Fish/REM***	**435**	Wetland Ecology & Management (For or REM 221 or Biol 314) Check for when offered	3		
Forest Resources	**330**	Forest Ecosystem Processes (Soil 205, Math 143 or 160, Phys 100 or 111, or perm)	2	F	
Forest Resources***	**423**	Forest Community Ecology (For or REM 221 or Biol 341) Check for when offered	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/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	F	
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 Check for when offered	3		
Phil	**457**	Natural Resource Ethics Offered alternate years / spring	3	S	
Political Science	**364**	Politics of the Environment	3	F	

Electives to total 128 credits.. . . . . .