

Where: BHB 219, Portland State University
Lecture: TR 0800-0950
Instructor: Dr. Alan Yeakley (725-8040; yeakley@pdx.edu; office: TBA)
TA: Ms. Zoe Rodriguez del Rey (zr@pdx.edu; office: TBA)
Texts: White et al 1992 (W): Ch 18-19, 21-22
 Schlesinger 1997 (S): Ch 6
 Naiman et al 1992 (N): Ch 6
Prerequisites: Required: ESR 320; recommended: calculus, chemistry, biology
Lecture notes (LN): [Part 1](#), [Part 2](#), [Part 3](#), [Closing Remarks](#) (these pdf files will be placed on-line)
Homework (HW): [HW Set #1](#), [HW Set #2](#) (these pdf files will be placed on-line)

Course outline:

<u>Week</u>	<u>Lecture Topic</u>	<u>Readings</u>	<u>Quiz/Exam/HW</u>
1	Intro; Ecosystems		
2	Ecological principles	W: Ch 18	
3	Ecological principles	W: Ch 19	
4	Ecological principles	W: Ch 21	HW1 due
5	Ecological principles	W: Ch 22	
6	Biogeochemistry	S: Ch 6	Midterm
7	Biogeochemistry		
8	Biogeochemistry		
9	Watershed management	N: Ch 6	HW2 due
10	Watershed management		

Grade distribution: Homework 15%, Participation 15%, Midterm 35%, Final 35%.

General notes: Homework sets will be distributed. Participation marks will be based both on attendance and on in-class discussion. Exams (midterm, final) will be open book, open note.

Lab course: [ESR 324](#) is a required co-requisite.