

Ocean/ENVIR 260, Winter 2006 Draft Syllabus *Version G Revised 12/28/05***Instructor: Richard Strickland** strix@u.washington.edu311 Ocean Teaching Bldg.
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If you would like to request academic accommodations due to a disability, please contact the [Disability Resources for Students](#) (DRS) office, uwdss@u.washington.edu, 448 Schmitz Hall, (206) 543-8924 (V/TTY). If you have a letter from DRS indicating you have a disability that requires academic accommodations, please present the letter to me so that we can discuss the accommodations that you might need for the class.

	Tuesday 12:30 – 1:50		Thursday 12:30 – 1:50		Friday 12:30 – 4:30
Week	LECTURE	Reading †=course pak	LECTURE	Reading †=course pak	Labs & Field Trips
1	Jan 3 Lecture 0 Introduction		Jan 5 Lecture 1 Salmon Life Cycle and Habitats	Shared Strategy Ch. 2 pp. 36–50 †Licatowich Introduction, Appendix. B †Kruckeberg Ch. 4 pp. 94–99, 102–104; †Montgomery Ch. 1– 2, Ch. 4 pp. 54–58 †Schoonmaker Ch. 8	Jan 6 Lab 1 ArcIMS Get to know ArcIMS and the Puget Sound Watershed
	Lecture 1 The Puget Sound & Snohomish Watersheds Climatology & Hydrology	Shared Strategy Ch. 1 pp. 2–8 †Kruckeberg Ch. 2 pp. 35–44; Ch. 9 pp. 349–361	Governing salmon & habitat	†Bish Ch. 7 pp. 75– 83; Ch. 9 pp. 107– 110 Joint Natural Resources Cabinet 2002	
2	Jan 10 Historic land use	Shared Strategy Ch. 3 pp. 66–91	Jan 12 Impacts of land use	†Williams Ch. 11 Shared Strategy Ch. 1	Jan 13 Lab 2 ArcIMS

	changes in the upper watershed (forest & agriculture)	†Licatowich Ch. 4 pp. 60–66 †Schoonmaker Ch. 6 pp. 133–135 †Montgomery Ch. 10 †Kruckeberg Ch. 7 pp. 276–284, Ch. 9 pp. 373–380 <i>Conservation Commission report excerpt</i> Indian Fishery Commission report excerpt	(forest & agriculture) on hydrology, water quality, & salmon in the upper watershed Impacts of harvest	pp. 20–25; Ch. 3 pp. 92–108; Ch. 4 pp. 132–14; Ch. 5 pp. 215–230 (Snohomish)	Land use changes in the Snohomish, Cedar & Duwamish watersheds: Case-study sites †Sato Ch. 5
3	Jan 17 Forum: The Shared Salmon Strategy and the recovery effort Elizabeth Babcock, NOAA Fisheries Chris Drivdahl, Governor’s Salmon Recovery Office Kit Rawson, Tulalip Tribe	Shared Strategy Ch. 1 pp. 9–19, 26–34 †Montgomery Ch. 11	Jan 19 REVIEW		Jan 20 Field Trip 1 Alteration, management and restoration of salmon habitat in the upper watershed: Case-study site(s) Taylor Mt. Forest & Log Cabin Reach
4	Jan 24 EXAM 1		Jan 26 Salmonid recovery research: mathematical models, restoration scenarios and changing climate	Shared Strategy Ch. 3 pp. 122–126	Jan 27 Lab 3 DHSVM & SHIRAZ model hindcast results for Snohomish watershed

5	Jan 31 Historic land use changes in the lower watershed (urban & suburban)	Shared Strategy Ch. 4 pp. 132–143; Ch. 5 pp. 231–244	Feb 2 Impacts of land use changes in the lower watershed (urban & suburban) on hydrology, water quality, & salmon	†Williams Ch. 4 Shared Strategy Ch. 3 pp. 66–91; Ch. 5 pp. 339–345	Feb 3 Lab 4 DHSVM & SHIRAZ model forecast results for Snohomish watershed
6	Feb 7 Forum: Managing Property for Salmon Recovery Harry Reinhart, King Co. “Rural Majority” representative King County Master Builders representative		Feb 9 REVIEW		Feb 10 Field Trip 2 Alteration, management and restoration of salmon habitat in urban streams: Thornton Creek, Seattle Todd Burley, Homewaters Project
7	Feb 14 EXAM 2		Feb 16 The nearshore & estuarine habitat and food web	†Kruckeberg Ch. 4 pp. 75–88 †Schoonmaker Ch. 7 excerpt	Feb 17 Lab 5 GEOMAP Land use changes and nearshore vegetation in the Duwamish estuary
8	Feb 21 Historic land use changes in nearshore & estuarine habitats and impacts on salmon habitat & survival	†Sato Ch. 3 Shared Strategy Ch. 5 pp. 245–258 (Green-Duwamish)	Feb 23 Forum: Managing the shoreline for sustainability Science: Charles Simenstad, UW Policy: Gordon White, Dept. Ecology shoreline manager		Feb 24 Field Trip 3 Alteration, management and restoration of salmon habitat in estuaries: Duwamish River, Seattle Bronwyn Dexter, People for Puget

			Community: Port of Seattle representative		Sound King Co. representative
9	Feb 28 The Hood Canal oxygen problem Historic land use changes in the Hood Canal watershed and water quality impacts	Hood Canal oxygen web site	Mar 2 Estuarine Circulation & Productivity Marine water quality Climate effects Hood Canal Summer chum, a threatened species	†Kruckeberg Ch. 3 †Strickland Ch. 4, 5 Shared Strategy Ch. 2 pp. 51–55; Ch. 5 pp 302–315	Mar 3 Lab 6 Puget Sound Model Virtual Puget Sound
10	Mar 7 Forum: Managing, protecting & restoring Hood Canal Science: Jan Newton, UW Policy: Duane Fagergren, Puget Sound Action Team Community: Dan Hannafious, Hood Canal Salmon Enhancement Group		Mar 9 Forum: Brightwater sewage treatment plant Randy Shuman, King Co. Natural Resources REVIEW		Mar 10 Field Trip 4 Alteration, management and restoration of water supplies, water quality, and salmon habitat West Point Sewage treatment plant Ballard Locks
11	Mar 14 REVIEW		Mar 16 EXAM 3 10:30 – 12:20		