LA 4/594 Landscape Planning and Design Studio: Landscape Planning and Design at the confluence of the McKenzie and Willamette Rivers in the Eugene/Springfield metropolitan area
Department of Landscape Architecture
University of Oregon
4th Floor Studio, Lawrence Hall, MWF 1-5 p.m.
McKenzie Hall 442 computer lab, Mon 2-4 p.m., Fri 3-5 p.m.
Hulse/Ribe/Cronan
Fall 2016

Course Syllabus

Intent — to investigate the relationship between settlement pattern, land and water management decision making processes and the ecological conditions of a 27 square mile (17,500 acre) area at the confluence of the McKenzie and Willamette Rivers. The studio will be organized around teams of 3-5 students, each team exploring, at a range of scales, different possible futures for the study area and the influence of these futures on the physical structure, ecological functions and social dynamics of a community of people making their homes and earning their livelihoods in the southern portion of the Willamette River basin.

Goals — to demonstrate that real choices are made everyday that effect the long term viability of human settlements and the biotic and abiotic systems on which these depend; to clarify the opportunities for definition of desirable future landscape conditions and to set out ways to achieve these conditions; to articulate the effects of different landscape patterns and management practices on key ecological and cultural functions.

Objectives — at the conclusion of the course the student will be familiar with the following:

working to envision possible future metropolitan conditions at the scale of a parcel, a neighborhood, and a landscape;

ways to gauge the effect of various settlement pattern forms and management practices on ecological and cultural processes;

the role of change, disturbance and adaptability in influencing landscape dynamics;

how to sift through and synthesize relevant, expert-based information in the making of well-informed alternative landscape plans

Techniques — the course will employ fieldtrips, digital tools, a well as faculty and guest lectures to support team and individual student design and planning projects

Facilities — the studio will use studio space on the fourth floor of Lawrence Hall and will have time available in the McKenzie Hall 442 computer lab.

Expectations and Grading

This, like all Landscape Architecture studios, is a Pass/No Pass Only course. Unlike many other courses, *most of the work for this studio will be done in teams of 3-5 students. Please be advised that we will expect you to have formed teams of this size, in which you will remain for the duration of the term, by Wednesday September 28. Unless otherwise stated, you will conduct all work requested in these teams.* Also, as a studio student at this curricular level, you are expected to take increasing responsibility for your own education. This bears on our expectations, which are set forth below.

All students are expected to *attend studio* from 1-5 MWF, to conduct the substantial portion of their work for this course in the studio environment and to attend a final exit interview on **Dec. 2, 5 or 6**. In that regular team/studio meetings will be an indispensable part of studio operations, attendance is critical to studio success. Exceptions to this policy will be rare. Do not plan to leave town prior to Dec. 6.

All students are expected to complete work as described in written problem statements on time and in toto. Late work will have an effect on a student's evaluation. Emergencies and other compelling circumstances will, of course, alter this policy.

All students are expected to attend and present at all mid-term and final reviews, whether on or off campus, as well as all studio pin-ups and desk crits.

All students are expected to attend an exit interview, lasting approximately 1/2 hour with one of the instructors at the conclusion of studio.

A final note: There are, particularly in the early phases of the studio, two tracks we will pursue. The first is to help us "tool up" on relevant issues in the study area, with special emphasis on understanding the concerns of people who make their lives here. The second is using the information we glean from this and other sources to develop visions for future land use that meets human needs and maintains ecological functions. This dual track circumstance may lead to an occasionally schizophrenic quality to the studio, particularly during the weeks prior to mid-term review. We acknowledge the need to coordinate these two tracks, and welcome your suggestions for improving coordination.

If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with the instructor soon. Please request that the Counselor for Students with Disabilities send a letter verifying your disability.

A few useful references:

Bentrup, G. 2008. Conservation buffers: design guidelines for buffers, corridors, and greenways. Gen. Tech. Rep. SRS-109. Asheville, N.C. Department of Agriculture, Forest Service, Southern Research Station. 110 p. www.bufferguidelines.net

Burchell, Robert W., N. Shad, D. Listokin, H. Phillips, A. Downs, S. Seskin, J. David, T. Moore, D. Helton and M. Gall. 1998. Costs of Sprawl Revisited: Evidence of Sprawl's Negative and Positive impacts. Transportation C0-Operative Research Program Report No. 39. Transportation Research Board. Sept. 1998. on line at http://www.trb.org/

Carson, Richard H., 1998. Paying for Our Growth in Oregon (The POGO Report). New Oregon Meridian Press.

EcoNorthwest. 1995. A Comparison of development costs in Eugene/Springfield: Standard subdivisions versus nodal development. Lane Council of Governments.

Frank, James. 1989. The Costs of Alternative Development patterns: A Review of the Literature. Urban Land Institute.

Groves, C.G. and E.T. Game. 2016. Conservation Planning: informed decisions for a healthier planet. Roberts & Co. Publishers. ISBN 9781936221516.

Hulse, D. S. Gregory, J. Baker. (eds). 2002. Willamette River Planning Basin Atlas: Trajectories of environmental and ecological change. (2nd edition), Oregon State University Press, Corvallis, Oregon 97333. 180 p.

Johnson, B. and K. Hill. (eds). 2002. Ecology and design: frameworks for learning. Island Press. Washington, D.C. ISBN 1-55963-813-3.

Arendt, R.G. 1996. Conservation Design for Subdivisions: A Practical Guide to Creating Open Space Networks., Island Press, Wash. D.C. ISBN 1-55963-489-8.

Fabos, J. and J. Ahern (eds). 1996. Greenways: The Beginnings of An International Movement., Elsevier., New York. ISBN 0-444-82464-2.

Smith, D. S. and P.C. Hellmund. 1993. Ecology of greenways. Univ. of Minnesota Press. Minneapolis. ISBN 0-8166-2157-8.

Steinitz, C. et al. 1996. Biodiversity and Landscape Planning: Alternative Futures For The Region of Camp Pendleton, California., Graduate School of Design, Harvard University, Cambridge, Mass. 02138

Steiner, F. R. 2000. The living landscape: an ecological approach to landscape planning. New York: McGraw Hill. AAA HD108.6 .S74 2000

Links for Urban Natural Resources Management and Ecological Restoration
Links are periodically updated but subject to change. Perform web searches as needed for updated links.
City of Eugene http://www.eugene-or.gov

South Ridgeline Habitat Study final report (Sept 2007): http://www.eugenenr.org/SRHS_Final_Report_2007-08-30_PDF/SRHS_Final_Report_August_2007.zip

Lane Council of Governments http://www.lcog.org/
In particular, follow link to Planning Services, then Natural Resources.
(http://www.lcog.org/lgs/natres.html) This page includes info on the Rivers to Ridges program.

(Portland) Metro homepage http://www.metro-region.org

***Of particular relevance are PDF downloads on* fish and wildlife habitat protection:**
http://www.oregonmetro.gov/index.cfm/go/by.web/id=312

Other useful Metro links:
Oregon Department of Land Conservation and Development (DLCD) land-use system set of 19 statewide goals and guidelines http://www.oregon.gov/LCD/goals.shtml

Stream Restoration Websites
http://www.nrcs.usda.gov/technical/stream_restoration/
http://www.epa.gov/owow/restore/

Urban Stormwater/Low Impact Development
Portland Stormwater Manual: http://www.portlandonline.com/bes/index.cfm?c=35117
Puget Sound Action Team: http://www.psat.wa.gov/Publications/Pub_Master.htm Follow link to Stormwater Runoff/Low Impact Development and download the publication: Low Impact Development: Technical guidance manual for Puget Sound
(See also Urban hydrology binder on reserve in AAA Library for stormwater diagrams)

Urban Ecology LTERs (Long-Term Ecological Research Stations)
Central Arizona - Phoenix LTER: http://caplter.asu.edu/
Baltimore Ecosystem Study: http://www.beslter.org/

Land Stewardship Programs
Forest legacy program national: http://www.fs.fed.us/cooperativeforestry/programs/loa/flp.shtml

Program in Oregon: http://www.oregon.gov/ODF/PRIVATE_FORESTS/LegacyAON.shtml

Other Websites

The Ecological Cities Project http://www.umass.edu/ecologicalcities/

The Center for Watershed Protection
http://www.cwp.org/Resource_Library/Restoration_and_Watershed_Stewardship/

Native Plant Society of Oregon, Emerald Chapter (Eugene): http://www.emeraldnpso.org/
Includes: Native Nursery list, invasive plants list, native shrub list, etc.

North American Butterfly Association: http://www.naba.org/ Also check the local Eugene-Springfield NABA chapter at http://www.naba.org/chapters/nabaes/index.html, in particular for their link to Butterfly Gardening for lists of Willamette Valley Butterflies and Their Native Host and Nectar Plants.

Restoring Rare Native Habitats in the Willamette Valley**: A Landowner's Guide for Restoring Oak Woodlands, Wetlands, Prairies, and Bottomland Hardwood and Riparian Forests. By Bruce H. Campbell. http://www.willamettepartnership.org/publications/other-publications/Landownerguide.pdf/view**

The Landowner's Guide To Restoring and Managing Oregon White Oak Habitats**. By David Vesely and Gabe Tucker. Download from: http://www.oregonoaks.org/landguide.shtml.**

Prairie Restoration Techniques: http://www.lcog.org/wewresearch/
Contains links to several useful documents including Fitzpatrick, Greg. 2004. Techniques for Restoring Native Plant Communities in Upland and Wetland Prairies in the Midwest and West Coast Regions of North America. City of Eugene, Parks and Open Space Division, Eugene, OR.

Native Seed Network: http://www.nativeseednetwork.org/
Includes numerous resources. In particular, follow links to *Restoration Resources/Species Recommendations*

Willamette Valley Prairies: http://oregonstate.edu/~wilsomar/Index.htm
Research from the OSU Prairie Research Group includes links to plants lists for wetland and upland prairies, online papers, etc.

Native Species Gardening in the Willamette Valley
Deborah Dauksch. 2007. Habitat Gardens: A Homeowner's Guide to Creating Oak Woodland, Oak Savanna, Upland Prairie & Seasonally Wet Prairie Gardens in the Willamette Valley. M.L.A. Project. Dept. of Landscape Architecture, University of Oregon, Eugene, OR.

Institute for Applied Ecology: http://www.appliedeco.org/ for links and publications.

Lane County Community Wildfire Protection Plan
http://www.oregonshowcase.org/index.cfm?mode=projects&page=wildfire

Lane Council of Governments http://www.lcog.org/
Diverse local planning documents, including natural resources, Region 2050, Rivers to Ridges, Ridgeline Open Space Vision, etc.

Marion County Public Works: http://publicworks.co.marion.or.us/index.asp
Follow link to Environmental Programs for restoration information, including specific restoration plans for several parks

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		M	W	F
Landscape Understanding	1	9/26 studio meets 2:30 – 5 p.m. studio intro, team dynamics; desk lottery. dig. tools refresh 3-4 p.m., McK 442 lab	9/28. Finalize teams, Prob. 1 assigned – field trip prep.	9/30 Study area Characterization; Field trip
Getting to know the place and the people	2	10/3 covenant due, team work time 1:30-3, dig. tools refresh 3-4 p.m., McK 442 lab	10/5 Present Prob. 1 1-3 p.m. in 231 Lawr; charrette on major changes 3:15-5 p.m. in studio	10/7 strategies for mg'ing info; Assign Prob. 2 Study Area and Sub-Area plans; & preview Prob. 3 Evaluations. dig. tools refresh 3-5 p.m., McK 442 lab
	3	10/10 Team time 1:00 -2:00; dig. tools refresh 2-4 p.m., McK 442 lab; Team time 4:00 -5:00	10/12 work in studio 1:00 – 2:00; Guest lecturer on urb. conser. 231 2:00-3 p.m.; work in studio 3:00 – 5:00	10/14 draft Study Area plan due; Guest lecture on urb. Devel. 231 2:00-3:00 p.m., dig. tools refresh 3-5 p.m., McK 442 lab
Study Area and Sub-Area Plans	4	10/17 work in studio & McK 442.	10/19 work in studio	10/21 draft Sub-Area plan due.
	5	10/24 Pin-Up Review – all work for Mid-Term due 4 p.m. 10/25, prep for Mid-Term Review.	10/26 **Mid-Term Review** 278/9	10/28 Mid-term debrief; What makes a landscape good? Assign Prob. 3, Form evaluation model teams
Evaluate Study Area & Sub-Area Plans	6	10/31 work in studio & lab on lu-site evaluation models	11/2 Pin Up Review of lu-site evaluation model flowcharts.	11/4 Digital Study Area designs due on harddisk
	7	11/7 Pin Up Review of lu-lu evaluation model flowcharts	11/9 work in studio & lab on lu-lu evaluation models	11/11 Complete Final digital Eval Model runs
Final Review Preparation	8	11/14 Evaluations of Sub-Area and Study Area Plans in Pin-Up Review format (a.k.a. Judgment Day) 231	11/16 Revise Study Area and Sub-Area Plans based on evaluations; Assign Prob. 4 Final Review preparations	11/18 work in studio & lab; desk crits
	9	11/21 Presentation Rehearsals	11/23 Presentation Rehearsals	11/25 Thanksgiving Holiday – No class
Reviews	10	11/28	11/30 All work due 4 p.m. day prior to Final Review	12/2 Required Exit Interviews
Exams	11	12/5 Required Exit Interviews	12/7	
	12			