

# SUSTAINABLE LANDSCAPE DESIGN

## PSS 196, CRN 10298

### Meeting Time:

Spring Semester: Tuesday, Thursday 3:30-4:45, Hills Building, Room 228

### Instructor:

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Office Hours: TuTh 3:00 or by appointment (recommended), 201 Hills Building

### Prerequisites:

At least one course in design or mapping, or consent of instructor

### Course Description:

Sustainable Landscape Design will provide students with the basic skills for graphical representation of the landscape, including the development of site plan, section, elevation, and perspective views. The course will encourage the exploration of sustainable landscape solutions at the site scale based on the concept that a landscape designed for multiple functions (ecological, economic, and social) will meet the needs of society, while minimizing the negative impacts on the future environment.

### Objectives:

1. Evaluate existing landscape designs based on performance criteria.
2. Develop graphic communication skills to represent landscape design at the site scale.
3. Apply principles of sustainable landscape design to a project site.

### Attendance:

MANDATORY. Because this is a studio class, attendance is necessary for learning design guidelines, obtaining regular critiques on performance, and participating in group projects. More than three unexcused absences will result in a drop of one full grade from the final calculated grade for the semester. Excused absences include: illness with doctor's note, field trips for other classes, and attendance at conferences.

**Policies:** ([http://www.uvm.edu/academics/catalogue2006-07/?Page=allpolicies.php&SM=policymenu.html&category=academic\\_policies&policy=Rights%20and%20Responsibilities%20of%20Undergraduate%20Students](http://www.uvm.edu/academics/catalogue2006-07/?Page=allpolicies.php&SM=policymenu.html&category=academic_policies&policy=Rights%20and%20Responsibilities%20of%20Undergraduate%20Students))

### Grading:

The grades for each student will be based on class participation and performance on group projects and individual exercises. Students' understanding of design principles will be assessed through application in the design outcomes. The academic honesty policy as outlined in the *Cats Tale* is in effect for all assignments.

10%	Class participation and sketchbook (Individual)
15%	Site Analysis (Group Project)
10%	Precedent Study (Individual)
10%	Conceptual framework (Group Project)
15%	Design Development (Individual)
10%	Planting Design (Group Project)
10%	Model (Individual Project)
20%	Final Portfolio and presentation (Individual)

Grade Scale:	A+=100	A=95	A-=91	B+=88	B=85	B-=81
	C+=78	C=75	C-=71	D+=68	D=65	D-=61

## **Required Textbooks:**

Bertauski, T., 2003. Plan Graphics for the Landscape Designer. Upper Saddle River, New Jersey: Prentice Hall. 231 p.

Hannebaum, L.G., 2002. Landscape Design – A Practical Approach. Upper Saddle River, New Jersey: Prentice Hall. 466 p.

## **Additional Resources:**

Diekelmann, J., Schuster, R., 2002. Natural Landscaping – Designing with Native Plant Communities. Second Edition. Madison, WI: University of Wisconsin Press.

Landphair, H.C., Klatt, Jr., F., 1999. Landscape Architecture Construction. Upper Saddle River, NJ: Prentice-Hall, Inc.

Motlock, J.L., 2001. Introduction to Landscape Design. New York: John Wiley & Sons, Inc.

Phaidon, 2000. The Garden Book. London: Phaidon Press Limited.

Simonds, J.O., Starke, B.W., 2006. Landscape Architecture – A Manual of Environmental Planning and Design. Fourth Edition. New York: McGraw-Hill.

Thompson, J.W., Sorvig, K., 2000. Sustainable Landscape Construction – A Guide to Green Building Outdoors. Washington DC: Island Press.

## **Additional Readings (to be provided as .pdf files):**

Available from website: <http://www.uvm.edu/~slovell/?Page=Courses/PSS196.html>

## **Supplies (to be purchased by week 2):**

- Sketchbook
- 10" triangle
- Metal straight-edge ruler (at least 18")
- T-square (24-30")
- Colored pencils (minimum 20)
- Markers (optional)
- Engineering scale
- Architects scale
- Cutting knife and blades
- Pencils (2H,HB,2B)
- Circle template
- Compass
- Erasing shield
- Erasers
- Drafting tape
- Roll tracing paper – 24"