ARCH 449/549 Architectural Programming Workshop
3 credits
Fall 2008 Monday/Wednesday 6pm-7:20pm

**Description:** This course covers comprehensive architectural pre-design. The course consists of presentations, workshops, guest lectures and site visits. The workshop learning experience is active and interactive. Student learning here is individual as well as a group effort and team effort, and requires regular and very active participation.

This course is built around investigation of how **values** guide programmatic decisions, **research** supports those decisions and **design** brings those values to life in our built environment. The application of this idea will happen at a master planning (site planning) scale and at a building planning scale.

**Educational Objectives:**
Students will learn various perspectives of programming theory and will develop programs. They will participate in groups to research and present two kinds of programs at two programming workshops. A final paper and example program will be completed individually. Each student will learn about the following programmatic armature to develop a simplified program during the group workshops.

- Cultural: architecture as an expression of ideas and theories
- Temporal: interior/exterior spatial relationships over time
- Human: the built environment and human interactions
- Contextual: cultural and site context
- Aesthetic: structure as form/space generators and expression
- Environmental: climatic design
- Technological: building assembles, detailing and materials
- Safety: local zoning and building code understanding
- Economic: implications of program choices
Course requirements
Attendance at all class sessions. Active participation in discussion, research and presentation is required.

Readings
Readings must be completed on the session they are noted. Lectures will build upon readings and will be most beneficial when students are current. Readings are online at http://uoregon.edu/~jvonbarg. Students must bring a written question or comment to share from the readings to every class. These may be collected. This will contribute to your Attendance/Participation grade.

Field Trips
Field trips will be part of this class. Attendance is required.

Examinations
There will be one quiz, group projects and a final program.

Grading Policy
The course may be taken on a Pass/No Pass basis or for a letter grade. Pass, per University policy, is a B- or better.

Project 1: 10%
Quiz: 10%
Project 2: 15%
Project 3: 15%
Project 4: 30%
Attendance/Participation: 20%

Projects will be due at the beginning of class. If more time is needed this should be worked out with instructor. Late work will typically not be accepted without justification.

Instructor
Jean von Bargen, AIA, LEED AP
70 NW Couch Street
Suite 401
Portland, OR 97209
503.973.5151

jvonbarg@uoregon.edu
Office hours: TBD by students
09/29 **Week One-A [Intro/Quantitative]**
Presentation: Overview/Architectural Programming (professional vs. thesis)/Class Organization/What is Architectural Programming? What can we expect of it? Quantitative program elements
Project-1: Introduce Project 1 – How do we use space?

10/01 **Week One-B [Qualitative/Research Methods]**
Presentation: Qualitative program elements/Traditional research methods
Discuss: Readings/Program Contents
Reading 1 due: Architectural Programming, Hershberger, Chapter 1, pp. 1-7, 8-34, Chapter 7, pp. 367-389

10/06 **Week Two-A [Programming Methods]**
Discussion: Discuss Project 1 / elements of a site program / code research
Reading 2 due: Hershberger, Chapter 2, pp. 41-68
Project-1: Due - present work
Project-2: Carbon Offset Farm Master Plan introduction/form groups

10/08 **Week Two-B [Programming Methods]**
Presentation: Interviewing Tactics and results - powerpoint!
Reading 12 due: Hertzberger, pp. 193-218

*10/11 SITE VISIT SATURDAY*

10/13 **Week Three-A [Programming a Site: Master Planning]**
Presentation: Public Infrastructure/Public Space/readings
Reading 4 due: Architectural Programming, Hershberger, Chapter 3, pp.132-167

10/15 **Week Three-B [Programming a Site: Master Planning]**
Discussion: Readings/ What does Gropius use a program to accomplish?
Reading 5 due: Architectural Programming, Hershberger, Chapter 5, pp. 306-313 and Walter Gropius, Program for the Staatliches Bauhaus in Weimar

10/20 **Week Four-A [Programming a Site: Master Planning]**
Presentation: Carbon Offset Presentation

10/22 **Week Four-B [Building Programming]**
Discussion: What goes into a building program?
Reading 7 due: Architectural Programming, Hershberger, Chapter 7, pp. 390-406, 418-430
Project-2: Master Plans due
Project-3: Thesis Program Carbon Offset Introduction

10/27 **Week Five-A [Building Programming]**
Reading 8 due: Murations, Contract with America, pp. 566-574
Project-3: Thesis Program—discuss any questions/concerns

10/29
Quiz: Week Five—B [Building Programming]
In class on material covered by course to date – open book

11/03
Discussion: Week Six—A [Interviewing as Information Source]
What is a thesis statement/ Presenting Ideas, work on statements
Reading 9 due: Writing for Design Professionals - Chapter 7, pp. 109-125, Chapter 1, pp. 15-24, Chapter 13, pp. 189-193

11/05
Week Six—B [Un-Programming]
In-Class: Group develops an approach with context – dissect the Seattle Public Library (shape, circulation, services, security, site, orientation)
Discussion: Counter Point – do we need programming?
Reading 10 due: Hertzberger, pp. 82-90 and Pamphlet Architecture 21, Situation Normal, SNAFU pp. 04-06, VPRO pp. 7-25

11/10
Week Seven—A [Individual Paper + Example Program]
Reading 3 due: Architectural Programming, Hershberger, Chapter 3, pp. 73-132 and Mutations, USE 03-05, p. 384, 385, 386

11/12
Week Seven—B [Individual Paper + Example Program]

11/17
Week Eight—A [Energy Programming]
Discussion: ENERGY PROGRAMMING

11/19
Week Eight—B [Final Program Peer Review]
In Class Workshop

11/24
Week Nine—A [Building Programming]
Discussion: Public Space Programming

11/26
Week Nine—B [Building Programming]
Discussion: Public Space Programming
Presentation: Infrastructure + Public Interface – Jean von Bargen
Project-3: Present Thesis Program Carbon Offset to class (powerpoint format)

Thanksgiving

12/01
Dead Week – Individual Student Interviews
Resource list for class
Architectural Programming, Robert Hershberger
Villa VPRO, MVRDV
Mutations, Rem Koolhaas
Pamphlet Architecture 21. Situation Normal. Paul Lewis, Marc Tsurumaki, David J. Lewis
ISBN: 0-393-73026-3


Thermal Delight in Architecture, Lisa Heschong.

Time-Saver Standards for Interior Design and Space Planning, McGraw-Hill Professional; June

Lynch, Kevin. Image of the City.

www.pps.org

Lang, Jon T. "Privacy, Territoriality and Personal Space," in Creating Architectural Theory, the
role of the behavioral sciences in environmental design. New York: Van Nostrand Reinhold,
1987, pp. 145-156.

People Places: Design Guidelines for Urban Open Space, with Carolyn Francis (Eds.). John

Silverstein, Murray and Max Jacobson, "Restructuring the Hidden Program: Toward an
Architecture of Social Change."