ARCH 449/549  Architectural Programming Workshop
3 credits - Fall 2010 Tuesday and Thursday 5:00pm-6:20pm
Room WS TBA

Description:  This course covers comprehensive architectural pre-design. The course consists of presentations, workshops, guest lectures and site visits. Student learning is individual as well as a team effort, and requires regular and very active participation. This course requires publication of all final work to the University of Oregon open source, open access, web-based institutional repository, Scholars’ Bank. Publication will allow for the City of Portland to review work at leisure, students at-large to access documents and for the work product to be predominantly paperless.

The Fall 2010 class will be working with a Swan Island industrial company and the City of Portland’s Office of Healthy Working Rivers. Our class will be investigating programs for a new quasi-industrial/public/environmental development. The class will use the new North reach Plan as a guide to navigating code, development pressures and environmental concerns. One Saturday Workshop will be included in the class requirements and attendance at one City of Portland public meeting outside of class time.

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 program research element will be completed individually. Students will learn about the following programmatic considerations in development of a simplified program during the group workshops.

- Cultural: architecture expressing ideas/theories
- Temporal: spatial relationships over time
- Human: built environment and human interactions
- Contextual: cultural and site context
- Aesthetic: form/space generators and expression
- Environmental: climatic design
- Technological: assembles, detailing, materials
- Safety: local zoning and building code
- Economic: implications of program choices
**Course requirements**
Attendance at all class sessions is recommended. Due to current health concerns, attendance is not mandatory, however student work must be of the quality described by this syllabus and the class Projects and the instructor should be notified if classes will be missed so that a plan may formulated for student success. Active participation in discussion, research and presentation is required when in attendance. The classroom schedule this term is 9:00-11:50AM.

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

**Field Trips**
Field trips will be part of this class and will be accessible by public transit. If driving, carpools are encouraged.

**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 for Graduate students, per University policy, is a B- or better. Pass for Undergraduates is a C- or better.

<table>
<thead>
<tr>
<th>Project 1</th>
<th>Values, Site Analysis and Facility Evaluation:</th>
<th>15%</th>
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<tbody>
<tr>
<td>Quiz:</td>
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<td>10%</td>
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<tr>
<td>Project 2</td>
<td>Interviewing and Analysis:</td>
<td>30%</td>
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<tr>
<td>Project 3</td>
<td>Conceptual Design and Code Research:</td>
<td>30%</td>
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<tr>
<td>Project 4</td>
<td>Energy Analysis:</td>
<td>15%</td>
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If more time is needed for projects this should be worked out with instructor before the due date. Late work will typically not be accepted without justification.

**Instructors**
Jean von Bargen, AIA, LEED AP  
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Portland, OR 97209  
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Office hours: TBD by students

Neil Bartley  
x  
503.xxx.xxxx  
Office hours: TBD by students
09/30 Week One [Intro]
Presentation: a. Intro /Class Organization
b. Architectural Programming (professional vs. academic)/ What is Architectural Programming? How do values affect a program? Example Programs.
c. What do we need to ask the client to provide?
Presentation: Ruhr – Jean von Bargen
Workshop: Values Exercise
Trial Run: Student Presentation of Values
Project-1 Values, Site Analysis and Facility Evaluation

10/07 Week Two [Hypothesis Statement and Site Analysis]
Discuss: What is a thesis statement/ Presenting Ideas/MLA Style/Research Writing
Discuss: Site Analysis content
11AM Presentation: Programming Research 1 – Karen Munro
Reading 1 due: Writing for Design Professionals - pp. 17-26, pp. 109-125, pp. 189-193
Reading 2 due: Values + Architecture/ Hershberger, Chapter 2, pp. 41-69
Reading due: https://scholarsbank.uoregon.edu/xmlui/handle/1794/9568 - Jean von Bargen

*10/12 COP City Council Policy Development Meeting 3–6pm (placeholder)

10/14 Week Three [Interviewing]
Presentation: Interviewing Tactics and results – Jean von Bargen
Workshop: Work on client questions in class for Vigor/OHWR and practice interviewing techniques/develop priming document to send to Vigor/OHWR
11AM Presentation: Interfacing with the Client – David Gray, City of Portland
Project-1 Due - discuss results
Project-2 Interviewing and Analysis
Reading 3 due: Interviewing/ Architectural Programming, Hershberger, pp. 219-273

10/21 Week Four [Site Visit and Interviews]
Meet at Vigor Industrial on Swan Island 9AM (existing facility visit: collect data now!)
Project-2 Bring prepared materials to Interviews for team use

*10/24 Saturday Workshop – 10am–2pm
Workshop: Examples of programs / Revisit Values HECCTEAS chart / Teams to work in studio on programs / JVB available for questions
Discuss: What goes into a building program?
10/28

**Week Five [Code/Research/Due Diligence]**

Presentation: Code and Regulations
Discuss: How do codes affect design?
Workshop: Develop preliminary code charts in class for the Swan Island Development

**Project-2** Due – discuss results

**Project-3** Conceptual Design and Code Research (requires Sketch-Up)

**Quiz:** In class on material covered by course to date – open book
Reading 4 due: *Program Prep/ Architectural Programming, Hershberger, Chapter 1, pp. 1-34, Chapter 7, pp. 367-418 and Vancouver SARD Report Cost-Benefit (review only)*

11/04

**Week Six [Presentations to Vigor and OHWR Representatives]**

Meet at Portland Building 9AM
Reading 5 due: *Site Analysis/ Architectural Programming, Hershberger, Chapter 5, pp. 306-313*

11/11

**Week Seven [Un-Programming]**

Presentation: Un-Programming – Jean von Bargen
Discuss: Counter Point – do we need programming? Dissect the Seattle Public Library (shape, circulation, services, security, site, orientation)
Workshop: Are design and programming at odds? Argue each side.
Reading 6 due: Pamphlet Architecture 21, Situation Normal, SNAFU pp. 04-06, Seattle Public Library, Praxis pp. 4-7

11/18

**Week Eight [Energy Programming]**

Presentation 11AM: Erica Dunn, Henneberry Eddy Architects
Discuss: Energy Programming

**Project-3** Due – preliminary Sketch-Up plan concepts for Program

**Project-4** Energy Program for Swan Island Development
Reading 7 due: Report #1 Energy Program, Living Learning Center, University of Oregon, October 23, 2003, G.Z. Brown, Lori Kessler, Jeff Kline
Workshop: Energy Program using preliminary Sketch-up plans brought to class

11/25

Thanksgiving

12/02

Dead Week

12/09

**Week Eleven**

**Project-1/2/3/4** Due- Final Programs Electronic Submission and Presentations to OHWR at WS
Resource list for class – *On Reserve


*Various Architectural Programs by past students.


http://www.wbdg.org/design/dd_archprogramming.php