

PLAN 678: SITE PLANNING

Tuesday 5.00-7.30pm. Saunders 116

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Office hours: T 2.00-4.00pm or by appointment

This course has three key components that will help students enhance their knowledge and skills to analyze, propose and present conceptual site design and planning interventions. First, students will learn about how market and non-market forces interact in shaping the built environment through a hands-on program called **UrbanPlan**. This program is about a neighborhood called Elmwood in the city of Yorktown. Urban communities all over the country share Elmwood's problems: what was once a thriving part of town now stands dilapidated. Like many cities, Yorktown is seeking a private real estate development team to propose and build a project that will revitalize this once proud neighborhood.

Second, students will learn the fundamental principles of site planning which involves several phases such as site selection, program development, site analysis, conceptual design, design development, and implementation. They will examine these phases as they develop **conceptual site plans** for state-owned parcels in the Waipahu Transit Oriented Development area. A critical part of the site planning process will be to understand the planning and design determinants of the site, taking into account its context and site specific characteristics.

Finally, students will participate in a **graphic communication workshop** featuring Adobe CS (Photoshop and Illustrator).

Learning Objectives

- (1) Analyze a site for different project programs
- (2) Illustrate how prescribed codes, ordinances, and standards affect site development
- (3) Prepare preliminary site plans for future land development/redevelopment
- (4) Convey information graphically about a site, its context, and its potential
- (5) Evaluate the market, political, and financial realities that influence the planning process

Organization and Assignments

The course will follow a studio format. To achieve the course objectives, assignments have been designed to provide students hands-on physical planning experience. Students are expected to attend and participate in all class sessions. Class time will be used to work on assignments, desk critiques and pin-up presentations. Relevant readings and other resources will be posted on the course website (laulima.hawaii.edu) or handed out in class.

i) UrbanPlan

Students will form development teams and create a proposal for the Elmwood neighborhood. Each person on the team will take on a different role in the development process (Marketing Director, Financial Analyst, Site Planner, Neighborhood Liaison, City Liaison). Each team will make an oral presentation of their plan to the City Council, which will award the contract to the team that presents the most compelling vision and responsive plan for Elmwood. The UrbanPlan Handbook, which contains all the information the team needs to create its proposal, will be distributed in class. The key challenge is to create a well-designed redevelopment plan to revitalize Elmwood that responds to:

- The economic, social, cultural, and political goals of the City and its residents;
- Yorktown’s planning, zoning, and design regulations and objectives;
- The market demand for different types of land uses and real estate products;
- The requirements of the investors and lenders who will provide the capital needed to build your project.

In the process, you will encounter the challenges that public officials and private developers face: working to balance the needs, wants, and goals of public and private interests in a market economy.

ii) Waipahu Transit Oriented Development Area Site Plan

This project has two sets of assignments. The first set will help students learn about the process of site planning and will involve preparing a detailed site inventory and analysis, development program, functional relationships diagram, and a site layout and circulation plan. The second set will include a conceptual site plan along with a concept summary and supporting text. Students are also required to maintain a journal/sketchbook for diagramming and note taking. The instructor will review the journal periodically to assess progress in class. There will be a guided site visit during which students will gather necessary information about site conditions that they will then use in their site analysis and design. Students will be graded on weekly progress in the step-by-step process of site analysis, planning, and design of the project. Periodic oral presentations of assignments will be accompanied by reviewer critiques.

iii) Graphic Communication Workshop

The workshop will require students to complete lab exercises. While the lab exercises will not be graded, students will be expected to demonstrate improvement in graphic presentation skills over the course of the semester.

Grading

UrbanPlan	20%
Site Analysis	10%
In-class Review	20%
Final	40%
Class Participation	10%

Information about academic integrity and student conduct can be found at:

<http://www.hawaii.edu/eli/students/plagiarism.html>

<http://www.catalog.hawaii.edu/about-uh/campus-policies1.htm>

A late assignment will lose 20 percent of the grade for each day that it is late. Please use your last name/team name and assignment name as a file naming convention when uploading assignments. For instance, Smith_Assignment1.pdf or Smith_Assignment1.doc

Useful References

General

Davis, David A. and Theodore Walker. 2000. *Plan Graphics*. New York: John Wiley & Sons, Inc.

Dee, Catherine. 2001. *Form and Fabric in Landscape Architecture: A Visual Introduction*. New York: Taylor & Francis.

Jarvis, Frederick D. 1993. *Site Planning and Community Design for Great Neighborhoods*. Home Builder Press.

- LaGro, James. A. 2013. *Site Analysis: A Contextual Approach to Sustainable Land Planning and Site Design*. New York: John Wiley & Sons, Inc.
- Lynch, Kevin and Gary Hack. 1984. *Site Planning* (3rd Edition). The MIT Press.
- McHarg, Ian. 1995. *Design with Nature*. New York: John Wiley & Sons, Inc.
- Russ, Thomas. 2002. *Site Planning and Design Handbook*. McGraw-Hill (UH Manoa online library resource)
- Simonds, John. 2006. *Landscape Architecture: A Manual of Site Planning and Design*. New York: McGraw-Hill.
- Strom, Steven, Kurt Nathan, and Jake Woland. 2013. *Site Engineering for Landscape Architects* (6th Edition). John Wiley & Sons, Inc.
- Untermann, Richard. 1997. *Grade Easy*. American Society of Landscape Architects.
- Whyte, William. 2009. *City: Rediscovering the Center*. University of Pennsylvania Press (Reissue Edition).

Transit-Oriented Development

- Campoli, Julie and Alex MacLean. 2007. *Visualizing Density*. Lincoln Institute of Land Policy.
- Ditmar, Hank and Gloria Ohland. 2003. *The New Transit Town*. Island Press.
- Bohl, Charles C. 2002. *Place Making*. Urban Land Institute.
- Campoli, Julie. 2012. *Made for Walking*. Lincoln Institute of Land Policy.
- Ewing, Reid and Keith Bartholomew. 2013. *Pedestrian- and Transit-Oriented Design*. Urban Land Institute [available electronically through UH Manoa online library resources]
- Gallagher, Leigh. 2014. *The End of the Suburbs*. Portfolio.

Urban Design

- Barnett, Jonathan. 2003. *Redesigning Cities: Principles, Practice, Implementation*. Chicago: Planners Press, pp.295-298.
- Ben-Joseph, Eran. 2005. *The Code of the City: Standards and the Hidden Language of Place Making*. Cambridge, MA: MIT Press.
- Carmona, Matthew and Steve Tiesdell (eds.). 2007. *Urban Design Reader*. Taylor & Francis.
- MacDonald, Elizabeth and Michael Larice (eds.). 2012. *The Urban Design Reader*. Routledge, 2nd edition.
- Steiner, Frederick and Kent Butler. 2007. *Planning and Urban Design Standards*. American Planning Association, Hoboken, NJ: J. Wiley.

Graphic Communication

- Edwards, Betty. 2012. *The New Drawing on the Right Side of the Brain* (4th Edition). New York: Tarcher/Putnam.
- Harris Charles W. and Nicholas T. Dines. 1998. *Time-saver Standards for Landscape Architecture*. New York: McGraw-Hill.
- Lorraine, Farelly. 2011. *Drawing for Urban Design* (UH Manoa online library resource).
- Reid, Grant W. 2002. *Landscape Graphics: Plan, Section, and Perspective Drawing of Landscape Spaces*. New York: Watson-Guption Publications.
- Steiner, Frederick and Kent Butler. 2006. *Planning and Urban Design Standards (Ramsey Sleeper Architectural Graphics Standards Series)*. American Planning Association.
- Wang, Thomas C. 1996. *Plan and Section Drawing*. New York: John Wiley & Sons, Inc.