

USP 624: Development Project Design

Course Syllabus

Fall 2023

Lecturer:	Nicolai Kruger, AIA
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Class date and time:	Wednesdays, 4:40 to 6:30pm
Classroom:	Urban Center Building Room 250
Modality:	Hybrid
Office Hours:	By appointment

Course Description:

This course provides an understanding of architectural practice, the value added by design and the intersection of design with broader community concerns and developer's objectives. We will delve into the building design process, including tools of the trade through all phases. There will be a strong emphasis on visual communication including: standards, tools and sketching from observation to better understand the built environment. At the end of this course, students will be better equipped to engage in design issues and with design professionals effectively.

Course Materials:

Title: *How Buildings Learn*

Author: Stewart Brand, Publisher: Penguin, 1995

Title: *Sustainable Design*

Author: David Bergman, Publisher: Princeton Architectural Press, 2012

Recommended Reading:

Title: *Design Drawing*

Author: Frances Ching,

Publisher: Wiley, 2019, 3rd Edition (older editions are okay too)

Software:

For this course, you will need access to SketchUp which runs best on a desktop computer. The instructor will provide you with information about this software at the beginning of class. (There is a free version and an "education rate" for the pro version, either is fine.)

Sketchbook:

Students are required to keep a class sketchbook this term and are expected to do five full-page sketches per week for credit. You are welcome to use pencil or ink pen. The size should be minimum 5"x8" up to 8"x12" so that it is easy to carry around with you. The purpose of keeping a sketchbook is to strengthen your drawing and observational skills. Use this opportunity to look closely and record the built environment. Note that you do not have to be artistic to satisfy this requirement.

Objectives of the Course:

Upon successful completion of this course, you will be able to:

- (1) Engage in design issues and with design professionals effectively
- (2) Define the five phase of the "design process"
- (3) Understand the various roles architects, developers and contractors play in realizing a design project
- (4) Interpret architectural drawings, drawing conventions and understand scale
- (5) Better understand how decisions made in developing a site have consequences on the built environment and its users
- (6) Identify sustainable building strategies that more effectively use finite resources
- (7) Define "public realm" and recognize that access to it is not always equal or fair
- (8) Be able to sketch what you see (or at the very least, appreciate the value of sketching to document what you see).

In addition to mastering the course content, The School of Business expects all students to attain several key attributes, which will provide graduates with a better foundation for working in businesses of the future. While all learning goals are equally important, Communication will be emphasized in this course.

MRED Learning Goals:

1. **Teamwork and Leadership:** Graduates will demonstrate effective leadership and teamwork competencies, supported by high levels of emotional intelligence (e.g., self-awareness, self-management, social awareness, and social management).
2. **Critical Thinking:** Graduates will critically evaluate real estate development problems and opportunities, analyze those problems with appropriate quantitative and qualitative data analytic techniques, and prescribe and defend subsequent solutions.
3. **Equity and Sustainability Thinking:** Graduates will have an equity and sustainability perspective (e.g., environmental stewardship, intergenerational resources, equitable opportunities, and access).
4. **Communication:** Graduates will effectively communicate complex information with a variety of stakeholders to increase knowledge and achieve objectives.

Method of Instruction:

This year the course is being taught "in-person, hybrid format" meaning we'll meet in person but people may join by Zoom if they need to. Each class will be recorded and available for you to review afterwards. We will also have a couple of site visits/building tours, details to come.

Enrollment in this course serves as acknowledgement that you will need to be able to access the University's online delivery platform and any assigned supplemental platforms and may be required to participate in live video conferences, collaborate digitally with classmates. These components are essential for creating a learning environment that works with students' schedules while maintaining high academic rigor.

This course is conducted on a lecture and discussion basis. There will be assigned readings, articles and podcasts at the instructor's discretion. The instructor is expected to be prepared for class and the students should be prepared as well. The presentations (slides/handouts) as well as recordings of the live presentations and discussions, will be posted to Canvas after class.

A lively discussion of various topics in class is encouraged. Your experiences and opinions are highly valued and add to the learning experience. Guest speakers may be invited to lectures to provide you with an exposure to the architecture industry and real-life perspective. Real world examples and industry trends will be discussed in class so that you can gain deeper insights into the practical application of theoretical concepts.

The rough format for the class:

4:35 PM	Zoom Room open for socializing, networking
4:40 - 5:30pm	Weekly Topic Presentation, Guest Speaker
	5 minute break
5:35 - 6:30pm	Visual Communication (sketch demos, examples, practice)

Assignments:

There will be three writing assignments over the term. Your response to each prompt should be a one page paper (approx. 500 words). These are to be submitted through Canvas. Concise and grammatical writing is expected. The midterm will be a group or solo project analyzing a site in Portland. The final will either be a project or a take-home exam that you will have a few days to work on. More detailed information on each assignment, the midterm and final will be provided separately in class.

Grading Criteria:

	Percentage of Grade
3 Writing Assignments (15 pts ea)	45
Mid-term project	20
5 sketches posted weekly to the Canvas Discussion Board	10
Final Project / Exam	<u>+25</u>
	100

Grading Scale:

Students will be graded on a relative performance basis. Having regular attendance (showing up) will help your grade if you're on the cusp. I'm not a fan of giving extensions or extra credit. The department uses the following scale for grad courses:

A-Grade	A	94 to 100%	C-Grade	C+	78 to 79.9%
	A-	90 to 93.9%		C	72 to 77.9%
B-Grade	B+	88 to 89.9%		C-	70 to 71.9%
	B	82 to 87.9%	D-Grade	D+	68 to 69.9%
	B-	80 to 81.9%		D	62 to 67.9%
				D-	60 to 61.9%
			F-Grade	F	Below 60%

Overall Course Schedule (*tentative*):

Week	Date	Lecture Topic	Due
1	9/27/23	How we Communicate about Architecture & Urban Context	
2	10/4/23	What do we Mean by "the Public Realm?"	
4	10/11/23	Anatomy of an Architectural Practice	Paper 1
5	10/18/23	Tools of the Trade (Site visit for Midterm TBD)	
6	10/25/23	Design For Everyone	Midterm
7	11/1/23	Sustainability, Materials & Resources (Site visit TBD)	Paper 2
3	11/8/23	Housing & Access	
8	11/15/23	Historic Preservation & Neighborhood "Character"	Paper 3
9	11/22/23	Resilience	
10	11/29/23	Course Round-Up (Final, details TBD)	

STUDENT RESOURCES AND POLICIES

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STUDENT RESOURCES AND POLICIES OVERVIEW

ATTENDANCE POLICY

Beginning Fall 2023, instructors are required to record initiation of attendance for each student registered in their classes to comply with federal Title IV regulations. Veterans must comply with attendance standards set by the VA. Athletes must provide their list of class conflicts before their first absence. You are expected to attend class regularly, either in person or remotely. However, all lectures will be recorded, so you can watch them if you have to miss class.

ACADEMIC MISCONDUCT

Students are expected to be ethical not only in the classroom, but also out of the classroom. It is in all students' interest to avoid committing acts of academic dishonesty and to discourage others

from committing such acts. Academic dishonesty includes, but is not limited to, the following examples: engages in any form of academic deceit; refers to materials or sources or uses devices not authorized by the instructor for use during any quiz or assignment; provides inappropriate aid to another person in connection with any quiz or assignment; engages in Plagiarism.

Any academic misconduct, including, but not limited to, plagiarism, cheating, fabrication, aiding and abetting academic misconduct, falsification of records and documents, communication with fellow students during examination and quizzes and/or using the work of another student will immediately result in a failing grade for the course. Furthermore, students are not allowed to discuss the content of any test, quiz, or homework with anyone. Additional sanctions by The School of Business may also be imposed if it deems necessary.

Plagiarism is the act of claiming someone's work as your own through copying it without giving the creator of the work credit. Plagiarism can also include using another person's theories, ideas, or phrases without proper attribution. The simplest way to avoid plagiarizing is to always cite the sources from which you gather information or develop arguments – just cite anything you use from someone else (it actually makes your work stronger!). Plagiarism is a serious issue and is a violation of the PSU Student Conduct of Code. University policy requires instructors to report all instances of plagiarism and penalize the perpetrator(s) according to guidelines set. Please use the resources provided by the [PSU library](#) if you have any questions on how to cite.

USE OF ChatGPT AND OTHER AI:

While chatbots have a huge potential in all sorts of arenas, [serious concerns exist](#) (for example: [biases may be amplified](#); [lack of precision and accuracy](#); [threats to institutions](#)). If a chatbot is used to generate any content, it is imperative to provide a citation (for example: [MLA](#) or [Chicago](#); [APA](#) is still working on their official guidelines) or else it will be a violation of [PSU's academic integrity rules](#).

Here are specific use guidelines for AI bots such as ChatGPT:

- **Acceptable Use of ChatGPT or other generative AI include:** Research on a specific topic or concept; Assistance in developing an understanding of a subject matter; Assistance in generating ideas for a project or assignment; Assistance in reviewing written work for grammar, spelling, and syntax errors.
- **Prohibited Use of ChatGPT or other generative AI include:** Engaging in academic misconduct or plagiarism (see below); Generating content that is offensive or discriminatory; Using ChatGPT to violate any laws or regulations.

Students should check with the instructor if they have any questions about the use of ChatGPT or other generative AI. TurnItIn may be used by an instructor to identify content generated by AI bots.

All submissions in the course, whether in draft or final form, must be the student's own work and must clearly acknowledge (typically through citations) any source(s) that contributed to the work product. The "student's own work" means: the student has written the analysis themselves, unless otherwise specified by the instructor (such as a collaborative group project).

DIVERSITY & INCLUSION

PSU values diversity and inclusion; we are committed to fostering mutual respect and full participation for all students. My goal is to create a learning environment that is equitable, useable, inclusive, and welcoming. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. The Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment.

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ACCOMMODATIONS

If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations. The DRC is located in 116 Smith Memorial Student Union, 503-725-4150, drc@pdx.edu, <https://www.pdx.edu/drc>.

- If you already have accommodations, please contact me to make sure that I have received a faculty notification letter and discuss your accommodations.
- Students who need accommodations for tests and quizzes are expected to schedule their tests to overlap with the time the class is taking the test.
- Please be aware that the accessible tables or chairs in the room should remain available for students who find that standard classroom seating is not useable.
- For information about emergency preparedness, please go to the Fire and Life Safety webpage (<https://www.pdx.edu/environmental-health-safety/fire-and-life-safety>) for information.

TITLE IX

Portland State is committed to providing an environment free of all forms of prohibited discrimination and sexual harassment (sexual assault, domestic and dating violence, and gender or sex-based harassment and stalking). If you have experienced any form of gender or sex-based discrimination or sexual harassment, know that help and support are available. PSU has staff members trained to support survivors in navigating campus life, accessing health and counseling

services, providing academic and on-housing accommodations, helping with legal protective orders, and more. Information about PSU's support services on campus, including confidential services and reporting options, can be found on PSU's Sexual Misconduct Prevention and Response website at: <http://www.pdx.edu/sexual-assault/get-help> or you may call a confidential IPV Advocate at 503-725-5672. You may report any incident of discrimination or discriminatory harassment, including sexual harassment, to either the Office of Equity and Compliance or the Office of the Dean of Student Life.

SEXUAL HARASSMENT:

As faculty, one of our responsibilities is to help create a safe learning environment for students and for the campus as a whole. Please be aware that faculty have the responsibility to report any instances of sexual harassment, sexual violence and/or other forms of prohibited discrimination. If you would rather share information about sexual harassment to a confidential employee who does not have this reporting responsibility, you can find a list of those individuals here: <https://www.pdx.edu/sexual-assault/get-help>.

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EMERGENCY PREPAREDNESS:

For information about emergency preparedness, please go to the Fire and Life Safety webpage(<https://www.pdx.edu/environmental-health-safety/fire-and-life-safety>) for information.

STUDENT HEALTH AND COUNSELING (SHAC):

The Center for Student Health and Counseling (SHAC) is a community-based health care organization that provides high quality, accessible mental health, physical health, dental, and testing services targeted to the needs of the PSU student population. To make an appointment with SHAC, please call SHAC at 503.725.2800 or go directly to the clinic (1880 SW 6th Ave. UCB, Suite 200). Email address: askshac@pdx.edu

BASIC NEEDS AT PORTLAND STATE:

It can be challenging to do your best in class if you have trouble meeting basic needs like safe shelter, sleep, and nutrition. Resource centers across campus are here to provide assistance, referrals, and support. Please contact anyone on this list for assistance:

Basic Needs Hub: basicneedshub@pdx.edu

Portland State Food Pantry: psufp.com; pantry@pdx.edu

C.A.R.E. Team: askdos@pdx.edu; (503) 725-4422

OTHER STUDENT RESOURCES:

- The Writing Center: <https://www.pdx.edu/writing-center/>
- Center for Student Health and Counseling: <https://www.pdx.edu/shac/>
- Diversity and Multicultural Student Services: <https://www.pdx.edu/dmss/>
- Financial Wellness Center: <https://www.pdx.edu/student-financial/financial-wellness-center>
- For information on food assistance and other resources:
<https://www.pdx.edu/student-access-center/>

LECTURE RECORDINGS

We will use technology for lecture recordings in this course. Our use of such technology is governed by FERPA, the Acceptable Use Policy and PSU's Student Code of Conduct. A record of all meetings and recordings is kept and stored by PSU, in accordance with the Acceptable Use Policy and FERPA.

All class recordings will be deleted at the end of the quarter.

Your instructor will not share recordings of your class activities outside of course participants, which include your fellow students, TAs/GAs/Mentors, and any guest faculty or community-based learning partners that we may engage with.

You may not share recordings outside of this course. Doing so may result in disciplinary action.

Technology Requirements

There are several moving parts in this course. The following list of tools encompasses every type of technology you may encounter in this course if you are joining remotely. It is your responsibility to obtain access to these in advance of your first assignment or let me know of your limitations by the end of week 1.

- Functional webcam
- Microphone (internal or USB)
- Google Chrome browser
- Reliable internet connection

If you have technical questions/problems related to using D2L or obtaining an Odin account, contact the OIT Help Desk at help@pdx.edu or by calling (503) 725-4357.