

LA 440/540 Introduction to Landscape Planning Analysis

CRN: 35377 (440) | 35378 (540) | 4 credits | 162 LIL | Thursday 1600-1850 | Spring 2022

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In order to address climate emergency, cities and landscapes must seek an innovative and systematic design approach that can tackle various challenges simultaneously. This course investigates the multifunctional design potentials of renewable energy co-locations and identifies opportunities and challenges for implementation. Using energy landscapes as a lens to understand landscape planning across scales, students will apply six pathways toward place-based energy transition identified by Pacific Northwest National Laboratory (PNNL) researchers and landscape architecture faculty (including Professor Ko) to their design and planning strategies for Pacific Northwest. Students will explore how energy infrastructure at scale can generate co-benefits for local communities and synergize with other green infrastructure and grey infrastructures to address the urgency of climate change mitigation and adaptation. Students will engage with various design and planning professionals and engineers for an integrated design approach. Selected students work may be considered for PNNL publication.

Learning objectives

- Understand the role of landscape planning in Landscape Architecture through theoretical and historical perspectives
- Acquire basic land use planning tools that can support landscape architecture practices
- Explore analytical approaches that are used to address critical questions of landscape planning in the Anthropocene
- Apply the knowledge, tools, and approaches discussed through course materials to the final project “Landscape Planning for a Green New Deal”

Relevant materials

LA 440/540 Class Report from Spring 2020 - [Planning for a Green New Deal: A Transect Approach for Oregon Energy Landscapes](#)
Pevzner, N., [Ko, Y.](#), and Dimond, K. 2021. [Power Player](#). *Landscape Architecture Magazine*, June 2021

*This course is LA major only, required for BLA and MLA cohorts in 4/539 and 4/589 studios. All reading materials will be provided.