

Announcing the Return of a Popular Professional Development Opportunity:

Smart Grid & Sustainable Communities

Available for Graduate Credit or Professional Development Certificate of Completion.
Attend through Zoom or in person, and stream recordings of any missed session.

Course Description

This course explores a set of emerging concepts, technologies, applications, and business models that are in the process of transforming the nation's century-old, centralized power grid into a more decentralized and climate, consumer, and renewable energy friendly "Smart Grid." These concepts, technologies, and models hold the promise of a significant new paradigm for the generation, use and delivery of electric power that is more efficient, sustainable, robust, flexible, and environmentally sound, and that encourages a much higher level of consumer participation and control.

This interdisciplinary course is co-taught by a team of academic and private sector specialists, supported by national and regional experts who will participate as guest speakers. The course will include "real world" projects that will allow the student teams to explore if and how the Smart Grid and related technologies and approaches can support sustainable development and a cleaner energy future.

The class will conclude with a Smart Grid Public Forum during the final class session. At the Forum, student teams will present their findings to many invited leaders from the Northwest energy community.

Why Take this Course?

The course will help prepare students to contribute to grid modernization as project developers, engineers, program managers, policy analysts, business analysts, attorneys, economists, and other key positions. It will also serve as a valuable resource for those who may not want to focus their careers on grid modernization but appreciate the value of knowing more about how the transformation taking place in the energy sector, and how it can support other aspects of sustainable development. Student interested in networking with subject matter experts should also take the class.

Optional field trips may also be provided if there is sufficient student interest and suitable travel protocols.

Who Should Register?

- **Graduate students** from PSU and elsewhere interested in the history and current state of the critical energy policy issues facing the Pacific Northwest and nation.
- **Mid-career professionals** interested in career advancement or exploring a transition to this dynamic field.
- Students pursuing PSU's [Graduate Certificate in Energy Policy and Management](#), for which this is a focal area course.

Semester: Spring 2024 Days and Times:

- April 1 - June 14, 2024 (Tues. 6:40-9:30 PM)
- One 3-hour session per week

Location & Format:

- PSU Campus
- Offered in-person & Zoom

Cost & Registration Options:

- Graduate Credit (3 Credits)
 - \$1,389 plus university fees
- Professional Development (Non-Credit)
 - \$1,389 and no university fees

Course Website:

<https://www.pdx.edu/center-for-public-service/smart-grid>

Admin Contact Information:

For Graduate Credit:

Public Administration Department
publicad@pdx.edu

For Professional Development (non-credit):

cps_energy@pdx.edu

