

**NR 5884 Innovative Water Partnerships**  
Offered: Spring Semester

**INSTRUCTORS:** Dominique Luekenhoff  
Seth Brown

**REQUIRED TEXT:** Readings will be provided by the instructor.

**COURSE DESCRIPTION:**

This course will focus on financing and alternative project delivery in the water sector. Topics will range from technical aspects of the Clean and Drinking Water sectors, regulatory and legislative issues, funding and financing challenges and innovations in the water sector, and public-private partnerships. The basis of the course is an emerging platform known as the Community-Based Public-Private Partnership (CBP3) program (aka the Community-Based Public-Private Performance Partnership or CBP4 approach), which incorporates all aspects of the topics covered in this course.

Learning Outcomes:

Upon completing this course, students will:

- Understand technical and regulatory aspects of the water sector.
- Discuss recent events and situations in the water sector, the impacts of these events, and how they may inform future infrastructure investments.
- Appreciate social and environmental challenges in urban landscapes in the context of resilience, sustainability, and a changing climate.
- Recognize funding gaps in the water sector, as well as traditional and innovative funding and financing strategies.
- Understand the basics of public infrastructure financing, public-private partnerships, performance-based contracting, and alternative project delivery.
- Be able to apply the principles of the CBP3/CBP4 program and approach.