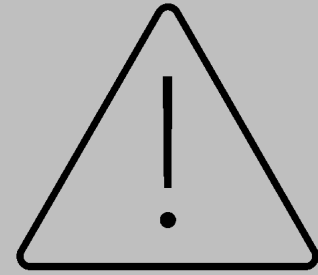


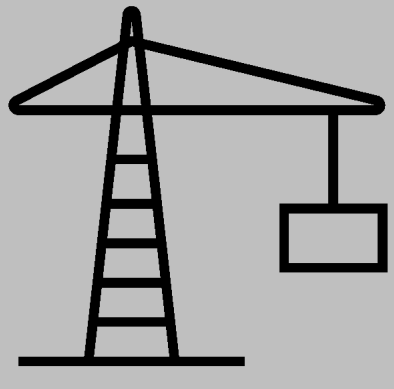
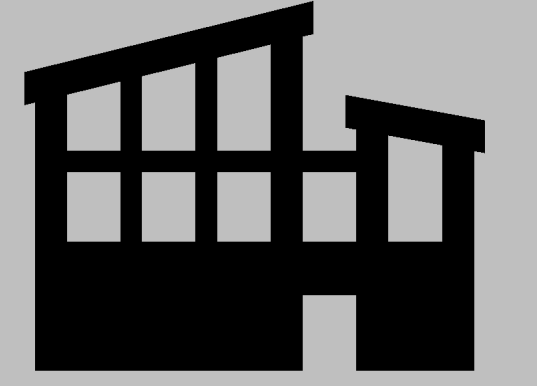


Connecting Infrastructure and Society



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CPSS 340



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Course Information

CPSS340 is a service-learning course dedicated to exploring infrastructure and why the state of infrastructure in the United States is declining. The classes lectures dove into using unconventional methods to interact with critical infrastructure and understanding the impact of big and small traits that infrastructure possesses on society.

Activities:

- Lectures on infrastructure related topics twice a week with Dr. Tomblin
- Analyzing infrastructure, both obvious and hidden from view and interacting with them using our different senses
- Inviting guest speakers to discuss a variety of topics ranging from the process of maintaining UMD infrastructure to “toilet to tap” direct potable reuse water in Arizona
- Accompanying a tour around the Cumberland Hall Green Roof and a drainage lake near A James Clark Hall to explore water management practices
- Listening in to a session about nuclear waste to see how stakeholders input their opinions on a proposed cite for a new nuclear waste facility.



This is the green roof on the top of Cumberland that collects rainwater from storms.



A pond near the AJC Hall of the Engineering Quad whose purpose is collect stormwater from the roads.

Impact:

This course gave me reasons to question the story behind every decision related to infrastructure and anything related system, I learned new ways to critically assess infrastructure and through that I was able to realize just how flawed U.S. infrastructure really is. Emphasis on speed over quality is what led our infrastructure to get to this point and I want to educate people more on this topic using the knowledge I gained from this course.

Future Work:

As a mechanical engineering major and as a person that has always had great interest and admiration for cities and their infrastructural accomplishments, CPSS340 gave me a new insight on how to access infrastructure based on qualitative boundaries and how to define different stakeholders in a variety of different projects. This new prospective will allow me to better consider the human prospective and not just numbers when I design something new in my future career as an engineer.

Acknowledgements:

I would like give a special thanks to Dr. Tomblin for providing meaningful guidance and learning throughout the course as well as my Science and Global Change professors Dr. Holtz and Dr. Merck for supporting me throughout my journey in the Science and Global Change program.

