

Winter 2017

LA 459/559

## Technical Topics Workshop: Water, Sanitation, and Health



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Time	Thursday 10:00 am – 11:50 am
Location	Lawrence Hall, Room 222
Credits	2
Instructor	Kory Russel Assistant Prof. Landscape Architecture and Env. Studies Lawrence Hall, Room 215 <a href="mailto:krussel@uoregon.edu">krussel@uoregon.edu</a>
Course Description	Water and sanitation are the foundations of the modern urban experience and have transformed the quality of life within cities. We will examine how various water and sanitation systems (infrastructures and technologies) can both positively and negatively impact public health. Readings and discussions will touch on; (1) historic and current approaches to water and sanitation related public health challenges, (2) treatment technologies and policies as they pertain to chemical and biological contaminants, (3) issues around access to water and sanitation globally. Additionally, students will research and present on a topic in the water, sanitation and health nexus that interests them.

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## Landscape Technical Topic: Water, Sanitation, and Health

<b>Eligibility</b>	This seminar is open to all undergraduate and graduate students however, preference is given to Landscape Architecture students.
<b>Prerequisite</b>	None
<b>Curricular Context</b>	This course qualifies as a Landscape Media and Technologies Workshop in the Department of Landscape Architecture.
<b>Class Format</b>	The course is a mixture of discussions based on readings, videos, self-guided research, student presentations and lectures. Students are expected to complete all readings prior to class and then to actively participate in class discussion. The final project and presentation replace an exam and takes the form of a 5-6 page (undergrad) or 7-8 page (grad) paper on some aspect of the water-sanitation-nexus.
<b>Learning Objectives</b>	by the end of the course students will be able to: <ol style="list-style-type: none"><li>1. Describe how Designers and planning professionals can utilize water-related treatment technologies and supply systems to improve sustainability and resiliency as well as public health.</li><li>2. Understand the larger societal consequences (economic, health, etc.) of water and sanitation systems and demonstrate that in written work.</li><li>3. Name the primary illnesses and exposure pathways linked with the lack of functioning water and sanitation systems.</li><li>4. Understand and use correctly public health-related terminologies and statistics.</li><li>5. Identify the fundamental elements and methods of water treatment, sanitation treatment and supply systems.</li></ol>