Quantitative Microbial Risk Analysis Modeling

- Do you want to learn how to take sampling data and determine broader impacts from them? Do you want to learn how to optimize environmental treatment processes based on health impacts? Do you want to learn how to design sampling or experiments for a targeted health impact assessment? QMRA modeling can assist in developing these outcomes.

- Use your own data to develop a QMRA or similar model to extend the capabilities and questions that can be answered from those data.

- Learn about the underlying sciences (engineering, microbiology, mathematics, and public health) that impact infectious-disease risks, and how to use them to model these risks.

- Develop stochastic and/or deterministic models to describe environmental and/or engineered systems, and how these impact human health.

- Discuss susceptibility and vulnerability factors that are related to disparities in adverse health effects of air pollution.

Course contents delivered via Carmen with lectures and discussions.

PUBHEHS 7375 (3 credits)

Course Days/Time: 
Wednesday/Friday  9:35 to 10:55am

Instructor: 
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