

Quantitative Microbial Risk Assessment Summer School

June 19 – 25, 2010 Delft University of Technology, The Netherlands

This week long Summer School, held on the campus of Delft University of Technology, aims to give the participants the understanding, tools and skills needed to quantitatively assess the microbial risk to human health through the environment. Participants will learn how to use risk assessment for assuring safety and health goals in water systems and other environmental exposure routes, using scientific data and computer analysis. Designed for PhD and master students and professionals in fields such as engineering, microbiology, public health, veterinary medicine and emergency preparedness, students will gain understanding and hands-on experience with risk assessment and work on real-world case studies.

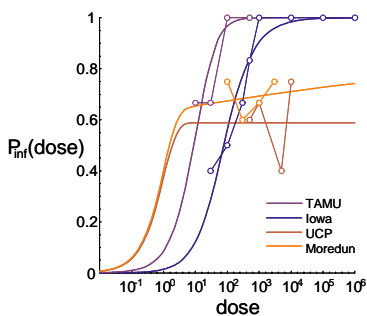
Topics covered include:

- Risk assessment methodology
- Hazard identification
- Methods of pathogen detection
- Pathogen fate and transport in the environment
- Exposure assessment
- Microbial dose-response models
- Impact of heterogeneity
- Risk characterization, disease burden
- Risk communication
- Computer models for risk assessment

About the organizers

Four Dutch Institutes provide their expertise for this summer school: the National Institute of Public Health and the Environment (RIVM), KWR Watercycle Research Institute, Utrecht University Institute of Risk assessment Sciences (IRAS) and Delft University of Technology. These institutes are the core of research into (water) environmental health risk of pathogenic microorganisms in The Netherlands. Their research results have influenced water safety policy at national, EU and WHO level.

The Centre for Advancing Microbial Risk Assessment (CAMRA) is U.S. Homeland Security Center of Excellence established jointly with the U.S. Environmental Protection Agency to develop scientific knowledge on the fate and risk of bioterrorist and other high priority infectious agents. They have organized 4 editions of a Summer Institute at Michigan State University already. This Summer School draws on that experience. Lecturers: Joan Rose, Charles Haas, Arie Havelaar, Peter Teunis, Ana Maria de Roda Husman, Gertjan Medema



Do you want us to send you further information?

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