

URB-01 Introduction to urban hydrology

- Objective:** The participants will achieve an overview of impacts of urbanization on hydrological processes, and hence urban stormwater quantity and quality, urban storm drainage, and general concepts of urban stormwater management
- Contents:**
- Impacts of urbanization on urban micro-climate and hydrology, intensity-duration-frequency analyses of rainfall data for urban storm drainage design, selection of design storm and hydrologic risk
 - Rainfall-runoff relationships and modelling
 - Impacts of urbanization on stormwater quality; stormwater quality characterization; impacts of stormwater pollution on receiving waters
 - Urban storm drainage design, local design standards, regulations and procedures
 - Sustainable urban stormwater quantity and quality management; sustainable drainage system (SUDS) and best management practices
- Who should attend:** Planners, engineers, technical managers and others from the public and private sector in need of an introduction to the subject
- Courseware:** Selected slides and background documents as handouts and/or electronic files
- Certification:** Attendance certificate (subject to 80 percent attendance)
- Duration:** 4 lessons (2 hours each) plus some homework
- Costs:** \$ 500 per participant (inclusive of GST)
A discount of 20 percent applies to 3 or more participants from the same organization in the same course
- Enquiries and registration:** Ms Theresa Tan, DHI Water & Environment, tel. 6777 6330, e-mail: info@dhi-ntu.com.sg