

# Above Ground Building Drainage

## Agenda

- 09:15           Arrival – Registration / coffee / tea
- 09:30           Session 1     Introductions, The history of drainage, BS EN 12056 Part1**  
– structure, concepts and terminology, Stack pressure profiles, offsets, filling degrees, system types and variations, alternative approaches, discharge units
- 11:15           *Coffee / tea break (15 mins)*
- 11:30           Session 2     BS EN 12056 Part2 – Sanitary pipework, layout and calculation.** Calculation examples of a bathroom and kitchen and a block of flats, pipe sizing and ventilation options, flushability
- 13:00           *Lunch (30 mins)*
- 13:30           Session 3     BS EN 12056 Part3 – Roof drainage, layout and calculation.** Rainfall in the UK, climate change, Stormwater and flooding issues, Hierarchy of disposal, SuDS, Limitations of BS EN 12056 Part3, syphonic systems, drainage chains, gutters, parapets, overflows and offsets. Simple calculation for ‘normal’ house, security and storm selection, 100-year storms and other infrequent events, combined and separate drainage systems
- 14:50           *Drainage walk and Coffee / tea break (45 mins)*
- 15:35           Session 4     Remaining Parts of BS EN 12056 and legislation. Problems with rainwater systems in real buildings. BS EN 12056 Part 4**  
Wastewater lifting plants. BS EN 12056 Part 5 Installation and testing, instructions for operation, maintenance and use. UK Building Regulations and other relevant legislation. Future developments?
- 16.10 - 16.20   Quiz**
- 16.20- 16.25    Answers to Quiz**
- 16.25-16.30    Any other questions**

For more information about this course contact the training team:

[training@cibse.org](mailto:training@cibse.org) | [cibse.org/training](http://cibse.org/training) | +44 (0)20 8772 3660