Scenarios in Civil Engineering (CEGE0012)

Description
Module made up of three week-long group projects. Students are required to work in groups to propose realistic engineering solutions to a complex inter-disciplinary engineering problems. Each scenario focuses on a civil engineering problem to improve problem-solving abilities and allow relevant information from different disciplines to be connected meaningfully and creatively. A scenario will typically contain a few hours of introductory lecture time, possibly some tutorial time to introduce tools or skills not previously covered in the curriculum (e.g. use a specific software package); some intermediate feedback sessions, supervised/unsupervised studio time and will usually conclude with some form of project presentation and submission.

Learning outcomes
- problem-solving
- application of knowledge to real engineering problems
- team-working
- leadership
- presentation skills (written and oral)
- communication