

BASIC FOUNDATION DESIGN



Course Outline

This one day course will provide a general introduction to foundation design for geotechnical practitioners who are becoming involved in foundation design recommendations for residential and light industrial developments.

The course will look at the information required to provide a design for simple shallow foundations and piles.



The methods used for the foundation design calculations will be in accordance with those described in the current British Standards (Eurocodes) including an introduction to limit state design and use of partial factors.

Course Contents

- Assessment of the use and choice of shallow foundations and piles
- Derivation of bearing capacity relationships
- Introduction to Limit State Design and Partial Factors
- Calculate the working loads and settlement of simple foundations to EC7 concentrating on house foundations
- Overview of pile foundations
- Ground improvement techniques

Summary

At the end of the course the delegates should be able to:

- Assess ground conditions with respect to suitable shallow foundations
- Calculate bearing capacity, settlement of simple shallow foundations
- Assess ground conditions with respect to piled foundations
- Have an appreciation for the use of ground improvement techniques in relation to residential and light industrial developments.



Who should attend?

This course will give a practical introduction to foundation design for geotechnical practitioners and engineers who are becoming involved in foundation design recommendations and who may have only a limited knowledge of geotechnics. They should have, as a minimum a degree in a geology or a ground science.

For more information, contact Equipe Training:

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