

FURTHER FOUNDATION DESIGN



Course Outline

This one-day course compliments the Basic Foundation Design course and concentrates on more detailed worked examples of geotechnical design to EC7 for both shallow foundations and pile groups.

The course provides delegates with a knowledge of the approved approaches used for foundation design calculations used in EC7 and comprises worked examples which concentrate on shallow and piled foundations for advanced structures and requirements. It includes an analysis of the equations used and design approaches using limit state and partial factors.



Course Contents

- Introduction - looking at bearing capacity
- Choosing the right foundation - shallow foundations or piles
- Worked examples of shallow foundation design to EC7 subject to combined loadings in layered strata
- Worked examples of pile foundations to EC7 subject to combined loadings in layered strata and including pile tests.

Summary

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

- Calculate bearing capacity and settlement to EC7 for shallow foundations
- Calculate bearing capacity and settlement to EC7 for piled foundations

Who should attend?

This course is aimed at geotechnical practitioners and engineers who are involved in foundation design recommendations and who are starting to carry out geotechnical design using EC7 approaches or who feel they would benefit from a refresher.

The course delegates should have a knowledge and basic understanding of soil mechanics and geotechnical design. They should have a degree in civil engineering and/or a Masters in engineering geology/geotechnics.



For more information, contact Equipe Training:

- info@equipegroup.com
- www.equipegroup.com
- +44 (0)1295 670990
- Equipe Group
- @EquipeGroup
- EquipeGroup

