



STAAD Foundation CURRICULUM

- 1.0 INTRODUCTION**
- 2.0 UNDERSTANDING THE SOIL REPORT AND DECIDING ON THE TYPE OF FOOTING**
- 3.0 MAIN FACTORS TO BE CHECKED IN ANY TYPE OF FOUNDATION**
 - 3.1** Base Pressure Check
 - 3.2** Bending Moment Check
 - 3.3** One-Way Shear Check
 - 3.4** Two-Way Shear Check
- 4.0 LOADS & LOAD COMBINATION**
 - 4.1** When to apply uplift loadings.
 - 4.2** Factored Load combinations.
 - 4.3** Un-factored Load combinations.
- 5.0 ISOLATED FOUNDATION**
 - 5.1** Draw Slab & Assigning Soil Properties
 - 5.2** Base Pressure Checks
 - 5.3** Design checks
- 5.0 ISOLATED FOUNDATION**
 - 5.1** Draw Slab & Assigning Soil Properties
 - 5.2** Base Pressure Checks
 - 5.3** Design checks
- 6.0 COMBINED FOUNDATION**
 - 6.1** Draw Slab & Assigning Soil Properties
 - 6.2** Base Pressure Checks

6.3 Design checks

7.0 RAFT FOUNDATION

7.1 Draw Slab & Assigning Soil Properties

7.2 Base Pressure Checks

7.3 Design checks

8.0 PILE CAP

8.1 Draw Pile Cap & Assigning Spring Properties

8.2 Base Reactions Checks

8.3 Design checks

9.0 TEST

10.0 ASSIGNMENT