

# Deepen Your Understanding of Concrete: Properties of Concrete

## *Course Outline*

### WHAT WE WILL COVER

1. Introduction to the Course
2. Cementitious Materials:
  - a. Cement
  - b. Heat of Hydration
  - c. Admixtures
  - d. Cement Types
3. From Cement to Concrete
  - a. Aggregates
  - b. Chemical Admixtures
4. Fresh Concrete
  - a. Properties of Fresh Concrete
  - b. Workability
  - c. Settlement & Bleeding
  - d. Plastic Shrinkage
5. Hardened Concrete
  - a. Properties of Hardened Concrete
  - b. Tensile & Core Strength

### A FINAL MESSAGE

I really do hope you enjoy the course, if there are any areas you think I could improve on in the course please do let me know so that I can keep improving the course.