

### **CES1207 Materials for Civil Engineering Surveying**

LH	PH	TH	CH	WTM	WE	WCM	CU
30	0	0	30	100	60	40	2

#### **Course description**

This course provides students with essential knowledge on the properties, use of some of the most important materials used in civil engineering, including soil, aggregate, concrete, and geotechnical materials.

#### **Objectives**

- To explain what materials the Civil Engineer uses, their characteristics and how they can be manipulated.
- To make the student aware of the types of materials encountered in Civil Engineering works, and how this can affect a project
- To explain what tests are carried out on materials to determine their properties
- To give simple field tests by which the Surveyor may classify materials.