CES2104 Field Data Collection (Instrument use and Booking)

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

Course description

This course moves on to the study of survey equipment, including instruments, particularly of the theodolite type, such as the tacheometer and total station, and methods of measurement concerned with coordinated positions and how to plot them to scale on a grid. It has a decided bias towards bearing and distances measurements and positioning by coordinates.

Objectives

- The purpose of this course is still to present Surveying in its measurement and positioning aspect, but particularly in regard to plannimetric positioning
- The more in depth methods of measurement and the help given by different instruments are expounded
- The pitfalls associated with these methods are pointed out
- Flexibility in the booking of readings by following certain principles so as to be readable by any Civil Engineering Surveyor, cover the field and not be prone to error