

SES211: Land Surveying I (2 Credit Units)

Department of Architecture

Covenant University

1. SES211

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This introduces the students to the principles of land surveying and calculations of irregular areas; The practical aspects of this subject should be emphasized; measurement and quantification need to be stressed rather than those aspects of theory more appropriate to the specialist land surveyor; Students must understand not only the form and use of equipment but also how to test its accuracy and the means of making temporary adjustments. The syllabus entails the following;-

Basic principles and objects of land surveying.

Types of survey. Relative accuracy and the effect on the method of surveying

Use and interpretation of ordinance survey, maps and plans

Scales. Enlargement and reduction of plans.

An appreciation of current land survey practice, including tachometry and aerial photogrammetry

Chain and tape surveying. Equipment, procedures, including plotting.

Negotiating obstacles