



SURVEY 1

COURSE OUTLINE

TERM 2 2023

LECTURE'S-GATHIGIRA STEPHEN



LEVELLING

- ▣ Leveling important terms
- ▣ Tools and equipment in surveying operations
- ▣ marking tool and equipments
- ▣ measuring / fixing tools
- ▣ distances / heights , angles
- ▣ Procedures of carrying out leveling
- ▣ Definition of terms used in leveling

- ▣ Identify tools and equipments used for various surveying operations
- ▣ Manipulate tools and equipments for various operations
- ▣ Setting of level
- ▣ Reading and calculations
 - i) sighting target
 - ii) reading/check ,bookings
- ▣ Reduced level calculations
- ▣ Drawings of level areas
- ▣ contours
- ▣ Methods of reducing levels
 - i) rise and fall
 - ii) height of collimation

Last term's work

- ▣ **INTRODUCTION TO SURVEY I**
- ▣ a) define terms in surveying
- ▣ b) explain objectives of survey
- ▣ c) classify survey
- ▣ d) explain various types of surveys in common use
- ▣ e) Tools and equipment

Chain survey

- ▣ Tools and equipment in surveying operations
- ▣ marking tool and equipment
- ▣ measuring / fixing tools
- ▣ distances / heights , angles
- ▣ Procedures of carrying out chain surveys



YouTube

- ▣ www.youtube.com/@IwordsShotsEmpire
- ▣ Calculations on contours