



SNS COLLEGE OF TECHNOLOGY

**An Autonomous Institution
Coimbatore - 35**

Accredited by NBA – AICTE and Accredited by NACC – UGC with 'A++' Grade
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.

DEPARTMENT OF AGRICULTURAL ENGINEERING

23AGT204 – SURVEYING AND LEVELLING

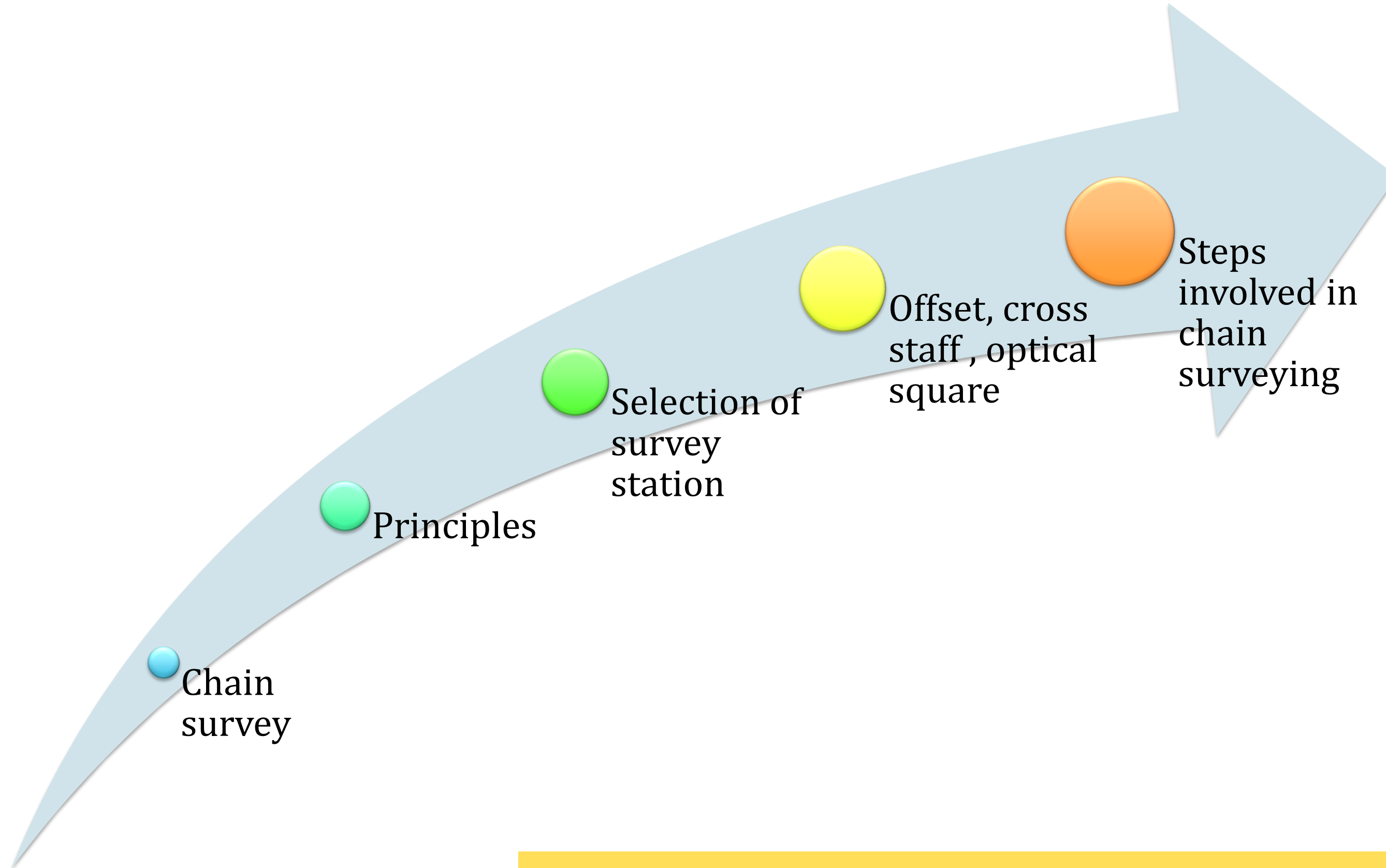
II – YEAR III SEMESTER

UNIT 3 – LINEAR MEASUREMENT AND COMPUTATION OF AREA, VOLUME

TOPIC 1 – LINEAR MEASUREMENT - TYPES



Last Class Review





Introduction

What is Linear measurement?

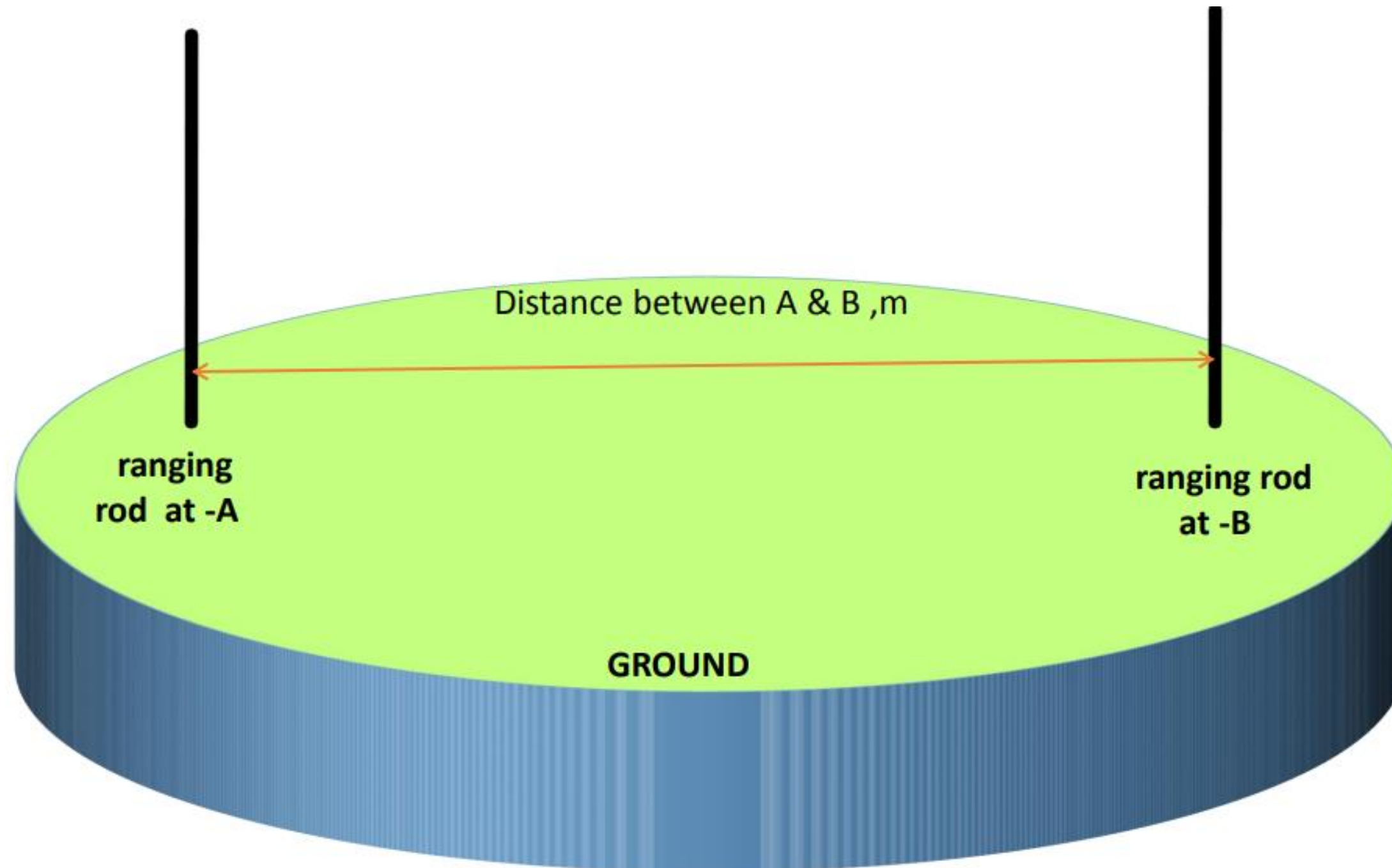


Measurement of horizontal distance between two points on the surface of the earth.





Linear Measurement





Assessment

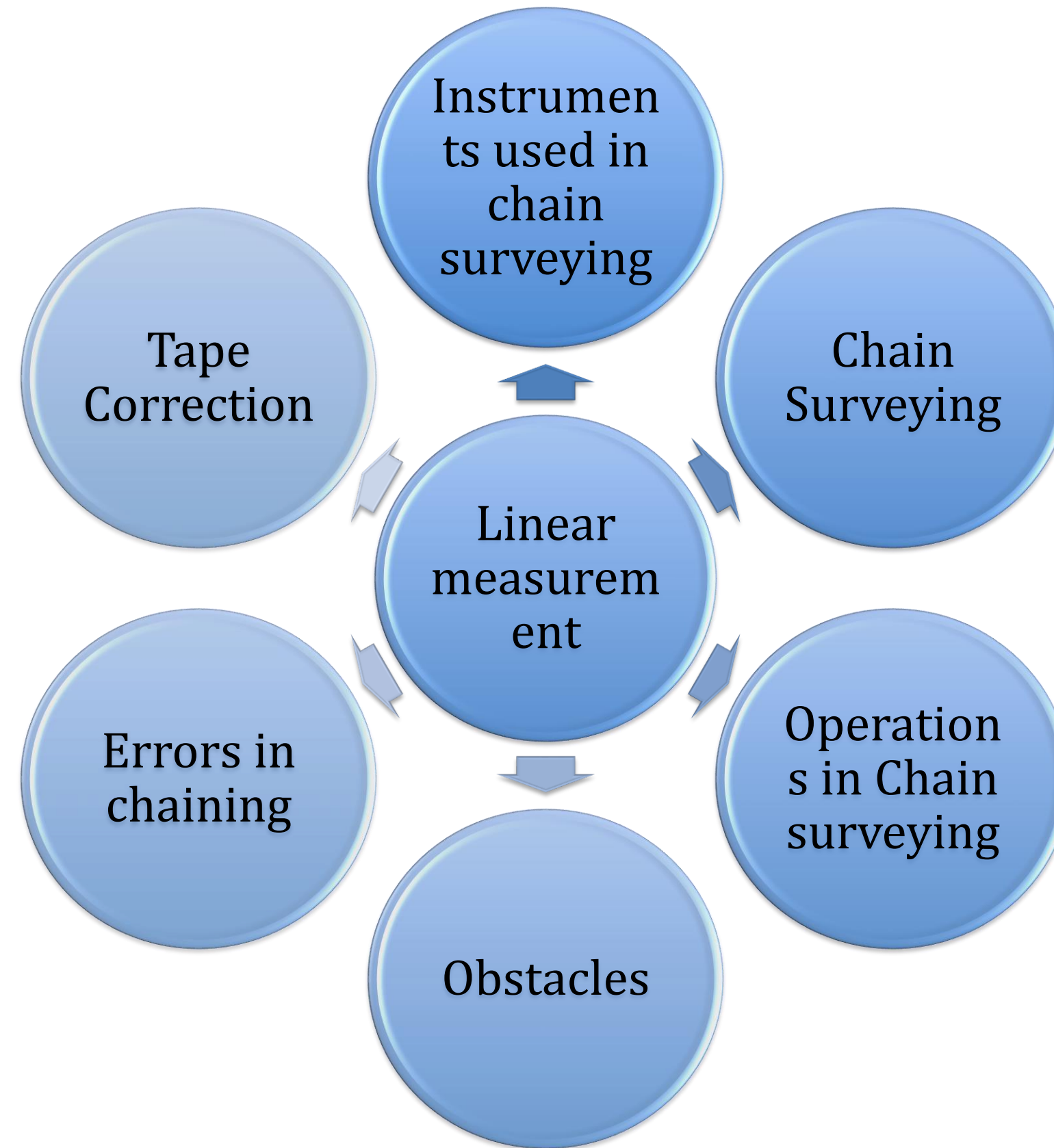


- **What is levelling**





Linear Measurement





Reference Videos

Linear Measurement & chain survey

Scale:

Scale is the technique through which ground measurement can be represented on a paper.

$$\text{Scale} = \frac{\text{Map distance}}{\text{ground distance}}$$

Example: $\begin{matrix} \text{M-D} & \text{G-D} \\ \downarrow & \downarrow \\ 1\text{cm} & = & 10\text{m} \end{matrix}$

$$\text{Scale} = \frac{\text{Map distance}}{\text{ground distance}}$$



See You at Next Class!!!!