



# IrrigationWise Academy

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LEARN TO GROW

## D2: INTRODUCTION TO SURVEYING AND MAPPING

Who is the course aimed at?

*Any person planning to enter the irrigation design industry or who requires basic knowledge on the compilation and use of maps and plans*

Which skills will the learner acquire during the course?

- *Measurements, accuracy, errors and scales in surveying*
- *Characteristics of maps, and maps published by the Chief Directorate: Surveys & Mapping*
- *Basic linear surveying procedures*
- *Levelling instruments and basic levelling operations*
- *Methods of interpolating contour lines from surveyed data and the various uses of contours in irrigation*
- *Longitudinal and cross sections*
- *Overview of surveying instruments and the principles of traverse surveys*
- *The principles, errors and use of GPS in surveying*

**Course length: 3 days**

**Course fee: (VAT excluded)**

**R4 452 (SABI members), R5 452 (Non-members)**

Venue:

**Stellenbosh: 13 – 15 April 2021**

**Pretoria: 20 – 23 April 2021**

*Presentation of courses will be subject to a minimum number of learners.*