



IrrigationWise Academy

LEARN TO GROW

BEGINSELS VAN OPMETING EN KARTERING

Op wie is die kursus gemik?

Enige persoon wat beplan om tot die besproeiingsontwerp-bedryf toe te tree, of wat basiese kennis oor die opstel en gebruik van kaarte of planne benodig

Watter vaardighede sal die leerder bekom gedurende die kursus?

- *Meetmetodes, akkuraatheid, foute en skale in opmeting*
- *Die eienskappe van kaarte, en kaarte gepubliseer deur die Hoofdirektoraat: Opmetings & Kartering*
- *Basiese liniêre opmetingsprosedures*
- *Nivelleringsinstrumente en basiese nivelleringsprosedures*
- *Metodes om kontoerlyne vanaf opmeetdata te interpoleer, en die gebruik van kontoere in besproeiing*
- *Langs-en dwars-snitte*
- *Oorsig van opmeet-instrumente en die beginsels van roete-opmeting*
- *Die beginsels, foute en gebruik van GPS in opmetings*

Kursuslengte: 3 dae

**Kursusfooi (BTW uitgesluit):
R3 960 (SABI lede), R4 220 (Nie-SABI lede)**

Plekke van aanbieding:

**Stellenbosch: 2 – 6 April 2019
Pretoria: 9 – 11 April 2019**

Die aanbied van kursusse is onderhewig aan 'n minimum aantal kursusgangers.

PRINCIPLES OF 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)
R3 960 (SABI members), R4 220 (Non members)**

Venue:

**Stellenbosch: 2 – 4 April 2019
Pretoria: 9 – 11 April 2019**

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