



REITZ
LANDBOU AKADEMIE



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2026 PRECISION AGRICULTURE SHORT COURSES

This short course forms the basis for learners to extend their learning into more specialised areas of precision agriculture. It consists of four online modules and an experiential learning week in Reitz, Free-State.

Module 1:

Intro to Precision Farming
(online module)

Price: R3 900 (VAT excl)

Module 2:

Precision Livestock Farming
(online module)

Price: R3 900 (VAT excl)

Module 3:

Precision Arable Farming
(online module)

Price: R3 900 (VAT excl)

Module 4:

Precision Farming –
Integration and Business

Price: R3 900 (VAT excl)

Experimental week

More info available soon.

For any enquiries or for more information contact:

In partnership with



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PRECISION AGRICULTURE SHORT COURSES

Module 1:

Intro to Precision Farming (online module)

- Understand the need and value of precision farming concepts of precision.
- The use of high-tech equipment to obtain the best return on investment in terms of technology.
- The significance of map scale and map components to agriculture.
- Intro to GNSS – global navigation satellite systems
- Intro to GPS – Global Positioning Systems
- Intro to GIS – Geographical information systems.

Module 2:

Precision Livestock Farming (online module)

- This module provides the theoretical background for the use of available precision livestock farming (PLF) technologies in order to monitor animal health and welfare parameters in a continuous and automated way, offering the opportunity to improve productivity and detect health issues at an early stage.
- A variety of technologies are identified and classified according to their type, their development stage, the species they apply to, and their potential impact on the welfare of livestock and poultry.
- Genomic management tools, recordkeeping and the application of software in PLF are also overviewed in this module.

Module 3:

Precision Arable Farming (online module)

- This practical module will equip students with the skills needed to apply the tools, technologies and processes of precision agriculture for crop production in the agricultural industry.
- Students are orientated and introduced to precision farming for crop production.
- In this module students will apply the basics of the GPS, be introduced to the use of GIS and use intelligent devices and implements (IDI) and remote sensing in on-farm data collection, data analysis and the application of analysed data.

Module 4:

Precision Farming- Integration and Business Management (online module)

- Development of a business plan for integrating precision arable and livestock farming technologies appropriate to specific environmental conditions and management practices.
- Specific ways to improve systems of recordkeeping to facilitate the decision-making process.
- The applicability of precision farming technologies in different agricultural practices, in environmental impact assessment for site-specific management, as well as in cost optimization.