

# MSc (Sustainable Agriculture)

## Programme Code

5981001

## Specific Admission Requirements

- A suitable four year bachelor's (Agric) degree (NQF level 8), or a three year bachelor's degree (NQF level 7) and an applicable postgraduate qualification (e.g. BScHons or a postgraduate diploma) in any of the major subjects that are accompanied by agriculture.
- An average final mark of 60% or higher.
- Proficiency in English.
- You must submit a written motivation for admission to the course.

## Programme Content

The purpose of this programme is to train you as researcher in understanding and working within sustainable agriculture. This will be achieved by adopting a systems approach to agriculture as a point of departure. The programme comprises modules that actively seek to integrate scientific methods across disciplines to advance sustainability in spheres where agriculture interacts with natural, social and economic factors.

The programme will start with a module entitled Introduction to Systems Thinking. This is followed by teaching concepts in sectoral sustainable agriculture e.g. sustainable animal production, sustainable plant production and livelihood perspectives. To generate and integrate knowledge in sustainable agriculture, modules like Systems Analysis and Simulation, QUALUS (Quantitative Land Use Analysis) and Biometry will help improve your quantitative and analytical skills. A work-integrated learning opportunity where students are linked to organisations in the industry will give you real-life perspective and ensure that you are ready for the job market.

## Compulsory Modules

13341: Introduction to systems thinking	870(6): Introduction to systems thinking
13340: Sustainable soil management	871(8): Sustainable soil management
13342: Plant production and plant protection	872(8): Plant production and plant protection
13343: Sustainable animal production	873(8): Sustainable animal production
11490: Biodiversity and Ecosystem Services	874(6): Biodiversity and ecosystem services
13344: Sociology of sustainable agriculture	875(6): Sociology of sustainable agriculture
13345: Economics of sustainable agriculture	876(8): Economics of sustainable agriculture (including farm management)
13346: Systems analysis and simulation	880(6): Systems analysis and simulation
13347: Quantitative analysis of land use systems	881(8): Quantitative Analysis of Land Use Systems
13348: Work-integrated learning	882(20): Work-integrated learning
13349: Research thesis (Sustainable Agriculture)	883(90): Research thesis
11061: Biometry	811(8) or 821(8): Biometrical Applications

### ***Assessment and Examination***

Modules are assessed by means of practical and written assignments, tests and written examinations in June and November.

After completion of the research you must submit a thesis to the satisfaction of the examiners and present a seminar. You will be expected to defend your thesis during this seminar.

### ***Enquiries***

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