

## 3.10 Department of Soil Science

### 3.10.1 MScAgric in Soil Science

#### Programme Code

2731011

#### Specific Admission Requirements

- An applicable BScAgric degree.
- An average final mark of 60% for the major subject.

#### Duration of Programme

This programme extends over a minimum of one year but may take longer to complete.

#### Programme Content

You select a topic for the research project from one of the following specialisation fields:

- soil genesis and classification;
- weathering and clay mineral synthesis;
- plant nutrition and fertilisation;
- irrigation and soil-plant-water management including salinity control and management;
- resource (soil, land and water evaluation and management systems such as, amongst others, erosion control); or
- rhizosphere and pedosphere organisms and interactions.

The project may consist of either soil science only or soil science integrated with a crop (plant), climate and/or terrain study. You will be guided towards project planning for problem solving by research within general guidelines and an overall picture of sustainable resource use through environmentally friendly, economical soil, water and plant management. You must be able to show that you have the ability to deal analytically and systematically with problems relating to the soil, plant, water and atmosphere continuum, and to identify possible solutions and formulate guidelines for the environmentally friendly management of natural resources.

#### Compulsory Module

14176: Soil Science	818(180): Master's thesis
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#### Assessment and Examination

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

Dr E Hoffman

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### 3.10.2 MSc (Agric)

#### 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 (BScHons) in any of the major subjects that are accompanied by agriculture.
- An average final mark of 60% for all final-year subjects.

#### Duration of Programme

This programme extends over a minimum of one year but may take longer to complete.

#### Programme Content

You select a topics for the research project from one of the following specialisation fields:

- soil genesis and classification;
- weathering and clay mineral synthesis;
- plant nutrition and fertilisation;
- irrigation and soil-plant-water management including salinity control and management;
- resource (soil, land and water evaluation and management systems such as, amongst others, erosion control); or
- rhizosphere and pedosphere organisms and interactions.

The project may consist of either soil science only or soil science integrated with a crop (plant), climate and/or terrain study. You will be guided towards project planning for problem solving by research within general guidelines and an overall picture of sustainable resource use through environmentally friendly, economical soil, water and plant management. You must be able to show that you have the ability to deal analytically and systematically with problems relating to the soil, plant, water and atmosphere continuum, and to identify possible solutions and formulate guidelines for the environmentally friendly management of natural resources.

### Compulsory Module

14015: Agriculture	818(180): Master's thesis
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### Assessment and Examination

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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Disclaimer:

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