



DEPARTMENT OF AGRICULTURE FARMING MANAGEMENT



FIRST YEAR

FIRST SEMESTER – N4 MANAGEMENT: FARMING

This subject outlines the functions and responsibilities of all role-players in agriculture, factors that impact on agricultural production as well as environmental factors influencing agriculture. It focuses on the role of the farmer as an entrepreneur, as well as farm and estate planning with an overview of key aspects of insurance applicable to the farmer.

DATA MANAGEMENT: FARMING

This subject provides students with skills to do basic computer functions – covering Microsoft Word, Excel, Access and Power Point.

FINANCIAL MANAGEMENT: FARMING

Financial Management: Farming teaches the basic accounting principles in relation to farm management. The subject matter focuses on farm budgeting systems, analysis of information systems and the interpretation of financial statements, balance sheets and income statements.

MAINTANENCE MANAGEMENT: FARMING

This field of study empowers the student with skills to do basic maintenance on the farm. It includes vehicle maintenance, basic welding techniques, building and electrical installations as well as health and safety procedures.

SECOND SEMESTER – N5 MANAGEMENT: FARMING

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IMPACT AFRICA EDUCATION FOUNDATION

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SECOND YEAR

FIRST SEMESTER – N6 MANAGEMENT: FARMING

This subject outlines the functions and responsibilities of all role-players in agriculture, factors that impact on agricultural production as well as environmental factors influencing agriculture. It focuses on the role of the farmer as an entrepreneur, as well as farm and estate planning with an overview of key aspects of insurance applicable to the farmer.

DATA MANAGEMENT: FARMING

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DIARY PRODUCTION

Dairy Production discusses dairy breeds along with the care and feeding of calves. This is followed by material on developing replacement livestock, managing dry and lactating cows, and an overview of the feeding of dairy animals. Finally, general management of a dairy herd is covered. Students are also exposed to a practical course in Artificial Insemination.

FRUIT PRODUCTION

Fruit Production starts off with the basic soil characteristics and nutritional requirements of the fruit tree and continues into Stages of Tree Development to give the student an understanding of the commercial tree. This is followed by climate, pollination and fruit set with an appropriate discourse on fruit thinning. General orchard management gives the student an idea of soil preparation, pruning, fertilization, irrigation and weed control. At the completion of the subject the student will have an understanding of rootstocks, harvesting of fruit and post-harvest technology.

VINE PRODUCTION

Vine Production covers the basic concepts of vineyard production with emphasis on wine grape production. Importance of climate, soil, rootstock and cultivar combinations are reviewed along with the process of vineyard preparation and management of the established vineyard. The students are exposed to some practical work on the College demonstration site.

PLANT NUTRITION

Plant Nutrition will equip students with the ability to apply soil nutrient preparations in a safe, effective and responsible manner to the benefit of the plant and crop growth. Students will gain specific knowledge and skills in soil fertilization and plant nutrition and will be able to operate in a plant production environment implementing sustainable and economically viable production principles.

APPLIED FARMING TECHNIQUES

In Applied Farming Techniques the student is exposed to some basic concepts as used in a farming operation. Examples include:

- Basic measuring by applying various methods, as well as how to set out right angles and orchard/vineyard corners.



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- Basic tunnel production and food security, including the advantages of tunnel production of food over a period of time, basic hygiene to be applied, as well as pest and disease control in a controlled environment.
- Students will also be exposed to field production of crops and the use of various soil preparation implements.
- Spray machinery, including the types of pumps used on equipment and the choice of pump.
- Calibration is done on centrifugal fan equipment and boom sprays.
- Granular fertilizer application is also covered.
- Students will be exposed to basic fencing and trellising, and will be able to put in corner posts and span wire.

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HUMAN RESOURCES MANAGEMENT: FARMING

Human Resource Management: Farming gives the student a background of human resource management focusing on human resource provisioning, compensation and benefits, labour relations in farming and legislation dealing with human resource management. The interaction with unions is also discussed.

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MUTTON PRODUCTION

Mutton Production discusses the important sheep breeds along with reproduction management and selection. The development of the sheep is covered as well as the handling of sheep to obtain quality products.

