



FORT COX COLLEGE OF AGRICULTURE AND FORESTRY

**DEPARTMENT OF AGRICULTURAL
SYSTEMS AND VALUE ADDING
TECHNOLOGY
2014**

**FORT COX COLLEGE IS A CENTRE OF
EXCELLENCE IN THE DEVELOPMENT AND
APPLICATION OF PRACTICAL KNOWLEDGE
IN THE SUSTAINABLE UTILISATION OF
NATURAL RESOURCES TO IMPROVE THE
QUALITY OF LIFE**



ADMISSION REQUIREMENTS:

For admission requirements kindly refer to A Guide for Prospective Student's Minimum Admission Requirements for 2014.



FOR ENQUIRIES CONTACT:

The Admissions Office
P O Box 2187
King Williams Town
5600

Tel: +27 (040) 653 8033
Fax: +27 (040) 653 8036
EMAIL: admissions@fortcox.ac.za
Website: <http://www.fortcox.ac.za>



DEPARTMENT OF AGRICULTURAL SYSTEMS AND VALUE ADDING TECHNOLOGY

The Department has three options from which prospective students can choose from and these are (i) AGRI-BUSINESS, (ii) ANIMAL PRODUCTION and (iii) CROP PRODUCTION. A completion of any of these options is also an entrance requirement into a fourth year of study for a B Tech in Agricultural Management and B Agric. Graduates from this training will likely be suitable for position amongst others in:
AGR-BUSINESS: [Banking institutions, Farm management, Advisory in Government, NGO's and Private Sector, Teaching, Maize and Meet Board, Magazines and Newspapers.
ANIMAL: [Livestock production business, Farm Manager, Processing of Livestock products, Advisory in Government and NGO's and Private Sectors, Teaching, Maize and Meet Board, Magazines and Newspapers.
CROP: [Crop Production Business, Processing of Food, Advisory in Government and NGO's and Private Sectors, Teaching, Maize and Meet Board, Magazines and Newspapers.

AGRI-BUSINESS

FIRST YEAR :SEMESTER 1

- Introduction to Agricultural Economics
- Applied Biology
- Applied Mathematics
- Basic Scientific Concepts
- Communication Skills
- Computer Applications I
- Field Work Practical 1

FIRSTYEAR SEMESTER 11

- Introduction to Agricultural Engineering
- Introduction to Animal Production
- Introduction to Crop Production
- Introduction to Soil Science
- Farm Accounting
- Pasture Ecology
- Field Work Practical II

SECOND YEAR SEMESTER 111

- Production Economics
- Agricultural Extension 1
- Agricultural Marketing 1
- Agricultural Seminar
- Poultry Production
- Pig Production
- Horticulture 1 (Vegetable Production)

SECOND YEAR : SEMESTER 1V

- Agricultural Marketing 11
- Agricultural Extension 11
- Human Resources Management
- Experimental Projects
- Small Stock Production
- Horticulture 11 (Fruit Production)
- Farm Business Management

THIRD YEAR : SEMESTER V

- Project Management
- Beef/ Dairy Production
- Supply Chain Management
- Financial Management
- Agricultural Industry
- Land Use Planning
- Farm Systems Analysis

THIRD YEAR :SEMESTER V1

- Experiential Training

ANIMAL PRODUCTION

FIRST YEAR: SEMESTER I

- Introduction to Agricultural Economics
- Applied Biology
- Basic Scientific Concepts
- Applied Mathematics
- Communication Skills
- Computer Applications I
- Field Work Practical I

FIRST YEAR: SEMESTER II

- Introduction to Agricultural Engineering
- Introduction to Animal Production
- Farm Accounting
- Introduction to Crop Production
- Introduction to Soil Science
- Pasture Ecology
- Field Work Practical II

SECOND YEAR: SEMESTER III

- Agricultural Extension 1
- Agricultural Seminars
- Animal Anatomy & Physiology
- Animal Nutrition
- Farm Structures
- Pig Production
- Poultry Production

SECOND YEAR: SEMESTER IV

- Agricultural Extension 11
- Experimental Project
- Human Resource Management
- Live Stock Disease (Micro Biology)
- Small Stock Production
- Rangeland Management
- Farm Business Management

THIRD YEAR: SEMETER V

- Animal Product Processing
- Beef Production
- Cultivated Pasture Management
- Dairy Production
- Livestock Disease (Parasitology)
- Project Management
- Project (Farm Systems Analysis)
- Land Use Planning

THIRD YEAR: SEMESTER V1

- Experiential Training

CROP PRODUCTION

FIRST YEAR: SEMESTER I

- Introduction to Agricultural Economics
- Applied Biology
- Basic Scientific Concepts
- Applied Mathematics
- Communication Skills
- Computer Applications I
- Field Work Practical 1

FIRST YEAR: SEMEATER II

- Introduction to Agricultural Engineering
- Introduction to Animal Production
- Introduction to Crop Production
- Introduction to Soil Science
- Farm Accounting
- Pasture Ecology
- Field Work Practical II

SECOND YEAR: SEMESTER III

- Agricultural Extension 1
- Agricultural Seminar
- Farm Structures
- Field Crop Production
- Horticulture 1 (Vegetable Production)
- Plant Protection
- Soil Classification
- Soil Fertility and Plant Nutrition

SECOND YEAR: SEMESTER IV

- Agricultural Extension 11
- Horticulture 11 (Fruit Production)
- Human Resources Management
- Experimental Projects
- Irrigation Principles
- Soil and Water Conservation
- Farm Business Management

THIRD YEAR: SEMETER V

- Advanced Crop Production
- Farm Mechanisation
- Farm Systems Analysis
- Food Product Development
- Project Management
- Land Use Planning

THIRD YEAR: SEMESTER V1

- Experiential Training

Note:

Experiential Learning (Industrial Placement: students are attached to a farming environment to experience real life field work) Submission of field experience report, which is evaluated by both field supervisor and Fort Cox College departmental staff Students who are offered employment during the course of the their experiential training, we have to make arrangement with HOD to complete the necessary procedures.

AGRIBUSINESS: Students will be required to undertake entrepreneurship projects in various fields which include , Vegetable Production, Field Crop Production, Business Analysis and Agricultural Information Management. Project appraisal and management skills will however be the focus of the practical.

ANIMAL: The students will begin the project of any livestock enterprise such as poultry, small stock, cattle and piggery with planning, budgeting, implementation and marketing of the enterprise. The project is evaluated using the following parameters, Successful implementation of the project, Good management of the project, Profitability of the project, Ability to present project management practice to a professional panel,, Expressive ability to initiate and implement a community based development project and Students initiative to solve problems related to his/her project

CROP: The students will begin the project with planning, budgeting, implementation and marketing of the product. (500 square meters plot is allocated to a group of four students to manage). The project is evaluated using the following parameters, Successful implementation of the project, Good management of the project,