



ENQUIRIES AND APPLICATIONS

Forward all enquiries and applications to:

The Admissions Office

Fort Cox College of Agriculture and Forestry
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COLLEGE MOTTO

The college motto, “Non sibi sed populo”, is Latin for “ Not for oneself but for people”. It aptly expresses the views of the founding fathers of Fort Cox College that College Graduates should use their skills unselfishly in the service of the community as a whole, rather than for purely selfish ends.



**FORT COX COLLEGE
 OF AGRICULTURE
 AND FORESTRY**

**FORESTRY
 BROCHURE**



DEPARTMENTAL MISSION

To continue offering well recognized forestry education and training that would meaningfully contribute to the development and/or growth of the industry locally and internationally.

FORESTRY PROGRAMME

Fort Cox Forestry Diploma programme is designed to cater for the needs of the forestry sector across Southern African . To achieve this successfully the department has incorporated some significant short courses in partnership with forestry companies such as Merensky, Hasquarvna and Mesonite. These partnerships are strategic aiming to strengthens the knowledge base attained by students prior to the completion of their studies with Fort Cox College.

THE DEPARTMENT OF FORESTRY

The Fort Cox Forestry Department has staff members with wide range of forestry knowledge and skills. As a result, this allows the Department an opportunity to offer education and training that enhances the competitiveness of the graduates in the industry. Additionally, the Department manages the Nursery for both practical training of the students and also for the College income generation. As part of learning the students are given an opportunity to produce seedlings together with the nursery staff following the necessary steps in the production of seedlings.

FORESTRY STUDENTS

The Department has launched the Fort Cox Forestry Student Association last year (2010) in November. Subsequent to the launch of the FCFSA an application for membership to the International Forestry Student Association was sent. FCFSA is now officially part of the regional and international student associations. This simply means that all applicants admitted to study forestry at Fort Cox automatically becomes members of the FCFSA. The main objective of this association is to engage forestry students in activities that will build their career and also to expose them to other association members regionally and internationally through attending of conferences and symposiums. In this regard, the forestry students are then afforded an opportunity to discuss and engage with the department; in an effort to contribute ideas on how they would envisage the department activities to be run and/or managed concerning students matters through FCFSA.

EXIT LEVEL OUTCOMES

On exit level, the student should be able to have the following competences:

- Understand and convey the roles of trees and forests in a variety of land use systems.
- Understand the basic principles of natural resource ecology, conservation and sustainability for development forestry.
- Have an understanding of indigenous methods and approaches to the utilization of natural resources associated with development forestry.
- Understand basic information collection, administration, management skills and development economics.
- Demonstrate an understanding of development theory, land use planning and forest policy legislation.

- Understand and apply harvesting systems and value added processes in relation to timber and non-timber to forest products that can be generated by communities for sustainable development.
- Design and implement participatory, tree-oriented development for extension services.
- Collect and use forest and tree related information of relevance to sustainable development.
- Recognition and application of value systems within social, cultural and economic diversity.
- Design a development forestry management plan and implement the management of development forestry related activities.
- Synthesize the influence policy and legislation on various forms of land tenure and be able to advise on optimum ways to utilize this knowledge. Advise on the development of small-scale forestry and income-generation enterprise.

JOB OPPORTUNITIES

Fort Cox Forestry students after the completion of their studies may potentially be employed by institutions in the public and private sector and non-governmental organizations. Moreover, they may also become self-employed. The positions that the forestry graduates may become suitable for include forest managers, supervisors, forest researchers, Community development facilitators, project managers and Consultancy.

ENTRY REQUIREMENTS

Senior certificate, Aggregate E (HG) symbol in Biology, and Agriculture, Maths and Physical Science will be an added advantage with Symbol E (HG). Obtain a minimum requirement of 40% score in Swedish Rating System. Someone with National Senior Certificate will be admitted into the programme if he/she will have obtained the minimum of 24 points overall using APS. Moreover, the applicant must have passed maths with the minimum level of 3 and any two of the three science subjects such as physical science, biology and/or agriculture.

DURATION OF THE FORESTRY PROGRAMME

This program takes three years duration which includes 5 semesters of full-time theory and practicals obtainable through day to day attendance and . The remaining Sixth semester is whereby students are attached in a working environment for experiential learning. The programme has built-in short courses which are targeted for the second year students. These include chainsaw operation, health and safety and basic fire fighting.

COMPLEMENTARY SHORT COURSES

Chainsaw short course: This course is conducted by Hasquarvna. The duration of the course is three days which include both theory and practical. The students learn how to safely operate chainsaw and its maintenance.

Health and Safety

This course is conducted by Mesonite Forest Company. The duration of the course is five days which include both theory and practical training.

Basic Fire Fighting Course

This course is conducted by Merensky. The duration of the course is two days which include theory and practical respectively. The students learn how to detect, prevent and suppress fire in the plantation successfully. Moreover, they are provided information about the equipments that are used for fire fighting.

Courses covered in forestry programme:

First year

Forest Botany, Basic Scientific Concepts, Applied Mathematics, Communication Skills, Introduction to forest economics, Forestry seminars, Computer Applications, Introduction to field work I.

Silviculture I, Agroforestry, Forestry Engineering I, Introduction to Soil Science, Land Information Systems, Forest Management I, Introduction to Fieldwork II.

Second year

Fire Protection, Silviculture II, Soil and Water Conservation, Forestry Engineering II, Soil Classification, Forest Management II.

Forestry Engineering III, Forest Mensuration and Inventory, Integrated natural resource management, Forest Protection, Forest Economics.

Third year

Experiential Learning

Forest Policy and Law, Business Management, Human Resource Management, Community Forestry.