Background Information

The Department of Animal Production is one of the oldest departments of the University of Nairobi. Located at Upper Kabete Campus, Faculty of Veterinary Medicine, the department is also a full member of the Faculty of Agriculture. Since its inception, the department has participated in the production of over 1,700 veterinarians, 2,000 agriculture graduates, 500 food technologists, 400 range managers, 600 agricultural engineers in addition to 50 Masters of Science in Animal Nutrition, Genetics and Animal Breeding and Management of Livestock production systems as well as 15 Ph.D.s in specific aspects of Animal science.

Academic Programs

The department offers courses in animal production to undergraduates of the faculties of Agriculture and Veterinary Medicine. The courses offered are:

Principles of Animal Production
Principles of Animal Nutrition
Principles of Genetics
Production of Ruminant Animals
Production of Non-Ruminant Animals
Quantitative and Population Genetics
Animal Breeding Plans
Animal Feeds and Feeding
Structure and Function of Livestock Production Systems
Management of Livestock Production Systems
Advanced Livestock Production Systems
Livestock Production Systems and Disease
Ration Formulation
Nutrient Metabolism and Utilization
Nutrition of Non-Conventional Species

Postgraduate Programmes
M.Sc. Poultry Science
M.Sc. Animal Breeding and Genetics
M.Sc. Livestock Production Systems
M.Sc. Animal Nutrition and Feeding
Ph.D. Animal Science

National Development
In addition to training of graduates in various aspects of nation building, the department continues to actively participate in the animal industry. The key areas of involvement include:
- Formulation of animal feeding standards
- Bull evaluation for the National Artificial Insemination Service
- Training of livestock extension staff
- Participation in various livestock related national committees
- Collaborative and non-collaborative research in Animal Science
**Services offered**

**Laboratory services**

The nutrition laboratory is one of the leading nutrition labs in the country. It offers the full range of nutritional analysis promptly and accurately. The clientele include feed manufacturing companies, research institutions and livestock farmers. Routine analytical procedures include:

- Proximate analysis
- Fibre (NDF-ADF-ADL) analysis
- In vitro digestibility
- In sacco digestibility
- Mineral analysis

Other specialized analyses are available on request, e.g.

- Amino acid analysis
- Vitamin assays
- Simple sugars and starch
- Volatile fatty acids
- Metabolisable energy
- Specific species digestible energy
- Anti-nutritive factors and plant toxins
- Chemical residues in feeds and foods
- Gas production (under development)

The department has standard charges for the routine services but charges for specialized analyses are calculated on demand.
Consultancy Services

The department has expertise in all areas of livestock enterprises and many of the staff have veterinary medicine and agriculture backgrounds. It also enjoys good relations with departments in faculties of Agriculture and Veterinary Medicine. It is, therefore, well placed to consult in all areas of livestock production. Past consultancies were in the following areas:

1. Establishment of:
   - Commercial animal feed factories
   - Commercial hatcheries
   - Commercial poultry production units
   - Commercial dairy production units

2. Feed formulation
3. Feeding programmes
4. Livestock farm layout
5. Livestock housing structures

In addition, we offer the following services:

- Livestock enterprise and production system advisory services
- Evaluation of genetic worth of livestock species
- Genetic fingerprinting
- Establishment of herd inbreeding levels
- Planning of genetic improvement programme
- Short term training on specific topics

Staff

The department is manned by academic and technical staff of considerable expertise and experience.
Job Opportunities

- Self employment
- Small scale feed manufacturing
- Small scale animal production enterprises
- Feed factory managers
- Feed production managers
- Feed sales representatives
- Animal breeding sale representatives
- Aquaculture farm managers
- Research officers

For further information please call; Fax; E-mail or write to:

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