**ANS 3105 POULTRY MANAGEMENT I**

**Lecturer:** Dr. Connie Kyarisiima BSc.(Agric)- Makerere University; MSc. (Agric.) – University of Sydney; PhD – Makerere University; Dip Educ. - Makerere University

**Course Type**: **CORE (B.Sc. Agric. III, B.Sc. FST III, BAEE II, BAGM II, BARI)**

**1. COURSE STRUCTURE**

**Course Credits (CU)**: **2 CU i.e. 30 Contact Hours** i.e. 15 LH, 30 PH

**Course Duration**: 15 weeks (45 hours)

**COURSE DESCRIPTION**

Characteristics of the poultry industry in Uganda/E.Africa. Characteristics of the East African indigenous chickens. Development of modern commercial chicken lines. Overview of the systems of poultry management. Housing poultry and house equipment. Management of a broiler flock. Management of egg-type chickens. Management of ducks and turkeys. Approaches to maximizing profits from a poultry enterprise, and enterprise combinations. Hatchery management. Gender roles and issues in poultry management and their effects on productivity and profitability will be incorporated in the discussions.

**2. COURSE OBJECTIVES**

The **overall objective** of this course is to equip students with knowledge and skills required for poultry production as a business.

The **specific objectives**

By the end of this course, the students should be able to:

1. Understand the dynamics of the poultry industry, which would help them appreciate the importance of undertaking poultry production as a business.
2. Acquire knowledge and skills for the management of a poultry enterprise.
3. Acquire competences for service delivery in improved poultry management to farmers/entrepreneurs and salesmen dealing in poultry marketing as well as for guiding policy makers.

**3. RECOMMENDED REFERENCES FOR READING**

1. Smith A. J. 2001. Tropical Agriculturalist – Poultry. Macmillan Publishers. UK.

2. Ensminger M.E. 1992. Poultry Science 3rd Ed. Interstate Publishers, Inc., Illinois, USA.

3. Sainsbury D. 1992. Poultry Health and Management 3rd Ed.

4. Austic R.E. and Nesheim M.C. 1990. Poultry Production 13th Ed. Lea and Febiger, Philadelphia, PA., USA.

5. Bland D. 1996. Practical Poultry Keeping. The Crowood Press , UK.

6. Bland D. 2000. TURKEYS: A Guide to Management. The Crowood Press , UK.

6. Twinch C. 1993. POULTRY: A Guide to Management. The Crowood Press , UK.

**4. COURSE CONTENT, METHODS OF INSTRUCTION, TOOLS AND EQUIPMENT REQUIRED**

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| TOPIC | CONTENT | METHOD OF INSTRUCTION / Time  | TOOLS / EQUIPMENT NEEDED |
| 1. Characteristics of the Poultry Industry in Uganda/E. Africa | * Definition of terms
* The role of the poultry industry in the economy of resource-poor households and the nation
* Poultry production systems in Uganda/E. Africa
 | Interactive lecture (1hr) | Chalk / BB or Markers / Flip charts |
|  | * Introduction of poultry farming as a business
* Characteristics of the indigenous chickens and their potential
 | Interactive lecture (1hr) | Chalk / BB or Markers / Flip charts |
| 2. Development of modern commercial chicken lines | * Classification of Chickens
* Breeds and strains of chickens
 | Lecture (1 hr) | LCD projector or Markers / Flip charts; Poultry Breed charts |
|  | * Background to and the development of commercial chicken lines
* The impact of the modern chicken lines on chicken consumption trends (worldwide and locally)
 | Lecture (1 hr) | Chalk / BB LCD projectorLaying hensBroiler chickens |
| 3. Overview of the systems of poultry management | * Extensive systems: description of the systems, advantages and disadvantages
* Intensive systems: description of the systems, advantages and disadvantages
 | Interactive lecture (1hr)Field trip (3 hrs) | LCD projector, Markers / Flip chartsPoultry farms |
|  | * Semi-intensive systems: description of the systems, advantages and disadvantages
 | Interactive lecture (1hr) | Chalk / BB or Markers / Flip charts |
|  | * Intensive systems: description of the systems, advantages and disadvantages
 | Interactive lecture (1hr) | Markers / Flip charts |
| 4. Housing Poultry | * The poultry house environment
* Choice of site
* Features of a good poultry house

Test | Interactive lecture (1 hr),Practical (3 hrs) | LCD projector Chalk / BB An equipped poultry farm |
|  | * House equipment
* Quality of Litter
* Hygiene in poultry houses
 | Interactive lecture (1 hr),Practical (3 hours) | LCD projectorMarkers / Flip chartsPoultry farm |
| 5. Use of records in poultry production and enterprise combinations | * Importance and types of records in a poultry enterprise (Meat-type/egg-type)
 | Interactive Lecture (1hr)Practical (3hrs) | Chalk / BB or Markers / Flip charts/ Record cards and books |
|  | * Analysis of poultry records
* Enterprise combinations
* Assignment on record keeping and analysis
 | Interactive Lecture (1hr)Practical (3 hours) | Record cards and books |
| 6. Management of broilers & other meat-type poultry  | * Chick quality
* Brooding
* Finishing broilers
 | Lecture (1 hr) | LCD projector, Markers / Flip charts |
|  | * Broiler health
* Feeding broilers
* Management of other meat-type birds - turkeys and ducks
 | Interactive lecture (1 hr)Practical (3 hrs) | Chalk / BBBroiler farm |
| 7. Management of Egg-type poultry | * Chick rearing
* Management of growers
 | Interactive Lecture (1 hr)Practical (3 hrs) | Chalk / BB or Markers / Flip chartsLayer farm |
|  | * Management of the laying flock
* Health and feeding
* Egg production records
 | Interactive Lecture (1 hr)Practical (3 hrs) | LCD projectorLayer farm |
| 8. Hatchery Management | * Hatchery set up
* Hatchery hygiene
* Incubators and incubation of eggs
* Chick processing
 | Lecture (1 hr)Field trip (3 hrs) | LCD projectorMarkers / Flip chartsHatchery farm |

**5. SUMMARY OF TIME NEEDED**

Interactive lectures covering theory 15 hrs

Practicals and Field visits 30 hrs

**6. OVERALL COURSE EVALUATION**

Continuous Assessment 40%

Final examination 60%.