

Wollo University, College of Agriculture

Department of animal science

Course Title: Working Animal Management

Course code: AnPS3106

Credit hours: Two

Mode of delivery: Parallel

Status of the course: Supportive

Course Instructor: Demerech A.& Hunegnaw Abebe

Course description: Species of working animals, economics, social, significance and uses of work animals in Ethiopia: Feeding and feeding management; Care and management of different species of work animals; harnessing system; implements used; Major Health Problems of work animals; control and prevention Methods.

Course objectives: At the End of the Course Students Should be able to:

Describe the Social Significance, Feeding, Management and Health care of Working Animals; Discuss the interaction of Health, work, and harnessing System and implements used in Draft Animals;

Identify health problems of working animals that are associated with work and manage such problems through the knowledge required.

COURSE CONTENTS

Chapter One: Introduction

Chapter Two: Importance of Working Animals in different parts of the world

Chapter Three: Effects of work on animals'

Body condition, Physiology and metabolism

Health, Lactation and reproductive physiology of the working animal

Chapter Four: Nutrition of working animals

- √ Nutrient requirements
- √ Feed intake
- √ Feeding and feeding management

Chapter Five: Management of working animals

- √ Specific health problems associated with work
- √ Care and management of working oxen, equine, camels

Chapter Six: Principles of animal draft

Draft work

Performance evaluation of working animals

Mode of delivery systems

Lecture, group discussion,, brain storming, question and answering

Course Assessment Methods

🎯 **Formative assessment (Continuous assessment): > or =50%**

(Tests/quizzes, Assignments (group assignments) and mid exam)

🎯 **Final written exam: < or =50%**

REFERENCE

Bourdon, 2000. Understanding Animal Breeding, 2nd ed. Prentice-Hall Inc., Upper Saddle River, New Jersey, USA.

Cameron, N.D. 1997. Selection indices and prediction of genetic merit in animal breeding, CAB International, Wallingford, UK.

Chapman, A.B. 1985. General and quantitative genetics. Elsevier Science Publishers, B.V. N.Y.

Fraser, F.A. 1974. Farm animal behavior. The Macmillan publishing Company Inc. N.Y.0

Lasely, J.F. 1978. Genetics of livestock improvement. 3rd ed. Prentice-Hall Inc., Englewood Cliffs, New Jersey.

Legates, J.E. and Everett, J.W. 1990. Breeding and improvement of farm animals, 8th ed. McGraw-Hill Publishers.

Malcolm B. Willis, 1991. Dalton's Introduction to practical animal breeding, 3rd ed. Blackwell Scientific Publications, Oxford, UK.

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Williamson G and WJA Payne. 1959. Animal husbandry in the tropics. Longman Inc. N.Y.