

AGI5471 Animal Biology

<b>Level</b>	5
<b>Course Code</b>	AGI5471
<b>Course Title</b>	Animal Biology
<b>Credit value</b>	4
<b>Core/Optional</b>	Optional
<b>Course Aim/s</b>	To develop knowledge on anatomy and physiology of farm animals in order to optimize their production and resource utilization.
<b>Course Learning Outcomes (CLO):</b>	<p>At the end of the course the students should be able to;</p> <p>CLO1: Describe anatomy and physiology of farm animals [ PLO1, PLO2, PLO3, PLO4, PLO5, PLO11]</p> <p>CLO2: Apply theories on animal nutrition for the improvement of growth and development of farm animals [PLO1, PLO4, PLO5, PLO8]</p> <p>CLO3: Learn the diseases and physical disorders of farm animals and their control measures [PLO4, PLO5, PLO6, PLO11, PLO12]</p>
<b>Content (Main topics, sub topics)</b>	<p><b>Outline Syllabus:</b></p> <p>Unit 1 Anatomy and Physiology of Farm Animals</p> <p style="padding-left: 20px;">Session 1 Introduction to anatomy and physiology of farm animals</p> <p style="padding-left: 20px;">Session 2 Anatomy and physiology of nervous systems</p> <p style="padding-left: 20px;">Session 3 Anatomy and physiology of digestive system 1</p> <p style="padding-left: 20px;">Session 4 Anatomy and physiology of digestive system 11</p> <p style="padding-left: 20px;">Session 5 Anatomy and physiology of reproductive system of farm animals</p> <p style="padding-left: 20px;">Session 6 Reproductivephysiology 1</p> <p style="padding-left: 20px;">Session 7 Reproductivephysiology 11</p> <p style="padding-left: 20px;">Session 8 Lactation physiology</p> <p>Unit 2 Animal nutrition</p> <p style="padding-left: 20px;">Session 9 Principles of animal nutrition</p> <p style="padding-left: 20px;">Session 10 Water and energy supplying nutrients in animal nutrition</p> <p style="padding-left: 20px;">Session 11 Protein in animal nutrition</p> <p style="padding-left: 20px;">Session 12 Vitamins and minerals in animal nutrition</p> <p style="padding-left: 20px;">Session 13 Other compounds in animal feed</p> <p style="padding-left: 20px;">Session 14 Evaluation of food</p> <p style="padding-left: 20px;">Session 15 Ruminant nutrition 1</p> <p style="padding-left: 20px;">Session 16 Ruminant nutrition 11</p> <p style="padding-left: 20px;">Session 17 Monogastric nutrition</p> <p style="padding-left: 20px;">Session 18 Feed resources and ration formulation</p> <p>Unit 3 Growth and health of farm animals</p> <p style="padding-left: 20px;">Session 19 Introduction to growth and development of farm animals</p> <p style="padding-left: 20px;">Session 20 The influence of food and water on growth and development</p> <p style="padding-left: 20px;">Session 21 Environmental influence on growth and development of farm animals</p> <p style="padding-left: 20px;">Session 22 Internal influences on growth and development and promoting animal growth</p> <p style="padding-left: 20px;">Session 23 Introduction to animal health and hygiene</p> <p style="padding-left: 20px;">Session 24 Diseases caused by Bacteria 1</p>

	<p>Session 25 Diseases caused by Bacteria 11 Session 26 Diseases caused by Viruses and Fungi Session 27 Protozoan and parasitic diseases Session 28 Metabolic diseases of farm animals</p> <p><b>Laboratory class: Yes</b></p> <p><b>Field visit: Yes</b></p>
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