



**Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore**  
**Shri Vaishnav Institute of Agriculture**  
**B.Sc. (Hons.) Agriculture**

**GUAGRI 102: LIVESTOCK & POULTRY MANAGEMENT**

Course Code	Course Name	TEACHING & EVALUATION SCHEME							
		THEORY			PRACTICAL		L	P	CREDITS
		END SEM University Exam	Two term exam*	Teachers Assessment*	END SEM University Exam	Teachers Assessment*			
<b>GUAGRI 102</b>	<b>Livestock &amp; Poultry Management</b>	50	30	00	15	05	3	1	4

**Legends:** L - Lecture; P – Practical; C-Credit;

\***Teacher Assessments** shall be based on following components: Quiz / Assignment / Project / Participation in Class,

**Course Objective:** Basic knowledge of livestock and poultry in agriculture

**Course Outcomes:**

1. Student will able to understand role of livestock in agriculture economy
2. Student will able to able to learn management livestock and poultry

**Unit-1**

Role of livestock in the national economy.Reproduction in farm animals and poultry.Housing principles, space requirements for different species of livestock and poultry.

**Unit-2**

Management of calves, growing heifers and milch animals.Management of sheep, goat and swine.Incubation, hatching and brooding.Management of growers and layers.

**Unit-3**

Important Indian and exotic breeds of cattle, buffalo, sheep, goat, swine and poultry.Improvement of farm animals and poultry.Digestion in livestock and poultry.

**Unit-4**

Classification of feedstuffs.Proximate principles of feed.Nutrients and their functions. Feed ingredients for ration for livestock and poultry. Feed supplements and feed additives. Feeding of livestock and poultry.

**Unit-5**

Introduction of livestock and poultry diseases.Prevention (including vaccination schedule) and control of important diseases of livestock and poultry.

**GUAGRI 102: Practical:**

External body parts of cattle, buffalo, sheep, goat, swine and poultry. Handling and restraining of livestock. Identification methods of farm animals and poultry. Visit to IDF and



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IPF to study breeds of livestock and poultry and daily routine farm operations and farm records. Judging of cattle, buffalo and poultry. Culling of livestock and poultry. Planning and layout of housing for different types of livestock. Computation of rations for livestock. Formulation of concentrate mixtures. Clean milk production, milking methods. Hatchery operations, incubation and hatching equipments. Management of chicks, growers and layers. Debeaking, dusting and vaccination. Economics of cattle, buffalo, sheep, goat, swine and poultry production

**Books:**

1. A Textbook of Animal Husbandry – G.C. Benerjee
2. Livestock Production and Management – N.S.R. Sastri, C.K. Thomas, R.A. Singh
3. Essentials of Animal Production and Management – R. Singh
4. A Handbook of Animal Husbandry – ICAR
5. A Textbook of Livestock Production Management in Tropics – D.N. Verma