



Davao del Sur State College
Brgy. Matti, Digos City, Davao del Sur

INTRODUCTION TO LIVESTOCK AND POULTRY PRODUCTION

LABORATORY MANUAL



Introduction to Livestock and Poultry Production

PREFACE

Welcome to this course pack developed to support students in acquiring essential knowledge and practical skills in livestock and poultry production. This material provides a structured framework for understanding the principles and practices involved in the efficient and sustainable management of farm animals.

Organized into modules covering major production systems such as swine, poultry, dairy, and beef cattle, this course pack integrates core concepts with hands-on learning activities. Each section includes clearly defined learning outcomes, guided exercises, and practical applications that enhance technical competencies and decision-making skills in animal production.

In addition to production techniques, this resource emphasizes the importance of animal health, welfare, productivity measurement, and sustainable management practices. It aims to prepare students to address real-world challenges in the livestock industry while promoting responsible and ethical farming practices.

Ultimately, this course pack seeks to develop skilled, competent, and industry-ready graduates who can contribute to improving livestock productivity and advancing agricultural development.

May this serve as a reliable guide in your learning journey, fostering discipline, innovation, and excellence in animal agriculture.

Jason O. Gica

Author

TABLE OF CONTENTS

	PAGE
PREFACE	i
TITLE PAGE	ii
TABLE OF CONTENTS	iii
SWINE PRODUCTION	
Laboratory Exercise No. 1 Swine Production System	1
Laboratory Exercise No. 2 Judging Swine Breeders	7
Laboratory Exercise No. 3 Body Condition Scoring (BCS) in Swine	13
Laboratory Exercise No. 4 Evaluation of Swine	19
POULTRY PRODUCTION	

Laboratory Exercise No. 5 External and Internal Structures of Chicken and Duck	25
Laboratory Exercise No. 6 Poultry Breeding and Hatchery Management	30
Laboratory Exercise No. 7 Poultry Housing and Equipment	34
Laboratory Exercise No. 8 Management Skills in Poultry Production	38

DAIRY PRODUCTION

Laboratory Exercise No. 9 Dairy Farm Requirements and Milk Supply Chain	43
Laboratory Exercise No. 10 Identifying a Good Dairy Cow	48
Laboratory Exercise No. 11 Simple Ration Formulation for Lactating Cows	53
Laboratory Exercise No. 12 Hand and Machine Milking of Dairy Cows	58

BEEF CATTLE PRODUCTION

Laboratory Exercise No. 13 Beef Cattle Production Systems and Supply Chain	62
Laboratory Exercise No. 14 Beef Cattle Breeds, Breeding and Reproduction	67
Laboratory Exercise No. 15 Beef Cattle Feed and Feeding	72
Laboratory Exercise No. 16 Rope Exercises and Cattle Handling	76

APPENDICES

- | | |
|---------------------------|----|
| 1. Rubric | 5. |
| 2. Grammarian Certificate | |
| 3. Course Outline | |
| 4. Course Syllabus | |