

Department of Livestock Production and Management
NU, SASRD, Medziphema

SYLLABI-B.Sc (Ag.) Honors

LPM-101- Livestock and Poultry Management

3(2+1)

Theory:

Terminology related with Livestock Production, Place of livestock in the national economy, different livestock development programmes of Govt. of India, Important exotic and Indian breeds of cattle, buffalo, mithun, sheep, goat, swine, rabbit and poultry, Measures and factors affecting fertility in livestock, reproductive behavior like oestrus, parturition, farrowing etc. Milk secretion, milking of animals and factors affecting milk yield and composition, Selection and breeding of livestock for higher milk and meat production, Feeding and Management of calves, growing heifers, milch and draft animals, Housing principles, space requirements for different species of livestock, Prevention and control of common livestock diseases, Incubation of eggs, vaccination, prevention and control of common poultry diseases, Brooding and rearing of poultry birds, Preservation of eggs.

Practical:

Study of external body parts of cattle, buffalo, sheep, goat, pig and poultry, Identification, approaching, handling and restraining of animals, Judging, culling and selection of animals, Identification of feeds and fodders used for livestock, Ration formulation for livestock, Preparation of brooder house, Selection and care of hatching eggs, Visit to livestock farms, Economics of livestock production, Maintenance of Farm Records.

LPM-201-Swine Production and Management

2 (1+1)

Theory:

Terminology related to Swine Production. Importance and scope of swine production in India with special reference to N.E.H. region. Important exotic and indigenous breeds of swine. Selection of male and female breeding stock.

Care and management of pigs at different physiological stages. Feeding practices and nutrients requirements. Importance of early weaning. Objectives in commercial swine breeding. Constraints of pigs production.

Important diseases of swine, their prevention and control. Marketing of pig and pig production.

Practical:

Study of external body parts of pigs. Judging of pig. Approaching and handling of pigs. Identification of pigs. Record keeping in pig farm. Detection of heat in sows. Castration of male. Formulation of ration for pigs. Economics of pig production. Visit to pig farm.

LPM-401- Experiential Learning on Dairy

6(0+6)

Practical:

Orientation to Dairy farming, writing technical and account records, planning for housing of cows, handling and control of cows, judging, selection and culling of cows, identification of heat and doing artificial insemination in cows, work evaluation, feeding and management of dairy cows, cleaning and recording of milk yield, sampling, physical examination and platform test of milk, preparation of curd, khoa, paneer and ghee, identification of fodder crops and its cultivation, preparation of silage and hay, work evaluation, formulation of concentrate feed for cows and mixing of concentrate feed ingredients, exposure to first aid kit, identification of wounds and abscess, their causes and treatment, identification of endo and ecto parasites, their effects and control measures, identification and handling of diarrhea, bloat and milk fever, identification and handling of horn, eye, ear, nose and skin disorder, handling of reproductive disorders like Dystokia, retention of placenta and prolapsed, work evaluation, cleaning and washing of animal sheds, surrounding and sanitary measures, washing and grooming of animals, cleaning of milk packing machine and containers, preparing cow for exhibition and their marketing, economics of dairy and project preparation, visit to dairies, milk and feed plants, animal market, report submission and presentation, group discussion and presentation and viva voce, examination.