EPT AFTER THE 6TH SEMESTER

CONTENT OF TOPICS

A. Introduction of farm animal nutrition

1. Acquaintance with characteristics of animal feeds and feeds additives used at farms (origin, energy value, protein value, crude fibre and water content).
2. Feeding norms and methods for balancing rations.
3. Feeding different categories of cattle: calves, heifers, dairy cows
4. Feeding cows during the different stages of lactation.
5. Effect of feeding on cow health and fertility.
6. Effect of body condition at calving on feed intake.
7. Problems arising from cattle feeding mistakes of.
8. Optimal breeding age.
9. Feeding sheep. Main types of rations.
10. Feeding of lambs, yearling rams and ewes at breeding. Level of feeding.
11. Feeding horses – specifics for different categories of horses. Rations.
12. Feeding weaned, growing and replacement pigs.
13. Fattening of pigs. Feed intake and factors influencing feed intake.
14. Feeding layer hens. Feeding during the different production cycle stages.
15. Feeding broiler chickens. Energy and nutrients' needs.

B. Animal hygiene

Cattle farms: Farm size and production systems for different categories of cattle. Premises and equipment for different categories of cattle – type, internal distribution, technological equipment, dimensions. Ecological evaluation of farms and measures for environmental protection.

Sheep farms: Production systems and technologies for different categories of sheep type, internal distribution, technological equipment, dimensions. Hygiene of nutrition, feeds, pastures. Milking and shearing hygiene. Veterinary sanitary and prevention activities in sheep farms, health status, organisation. Ecological evaluation of farms and measures for environmental protection.

Pig farms: Structure of pig complexes and pig farms. Premises and equipment for different categories of pigs Hygienic requirements for rearing different categories of pigs. Hygiene of parturition and care for neonate pigs. Ecological evaluation of farms and measures for environmental protection.

Poultry farms: Structure of poultry farms. Production systems for different categories of poultry in breeding and stock farms. Premises and equipment of poultry farms.

C. Genetics, breeding, animal husbandry.

Cattle farming

1. Cattle herd structure in the farm – number, breeds
2. Analysis of cow milk yield
3. Milking, evaluation of cow udder – organisation and performance of milking. Description of milking systems. Storage of milk.
4. Organisation of breeding and reproduction at farms
5. Rearing of the different technological categories of cattle. Marking. Determination of age. Daily regimen at cattle farms.

6. Organisation of breeding and selection work in cattle farms. Primary zootechnical and herd documentation.

Pig farming

1. Pig herd structure – breeds, number of sows, boars, pigs for breeding and fattening.

2. Organisation of breeding at pig farms

3. Productivity of pigs

4. Organisation and techniques of breeding of sows – number and frequency of inseminations by one boar, % fertility and infertility, analysis of causes.

5. Rearing different categories of pigs and sows.

6. Congenital diseases and malformations

7. Analysis of pedigrees of different categories of pigs

Sheep farming

1. Flock structure, breeds, number of sheep from different categories.

2. Productivity of sheep

3. Organisation of breeding at sheep farms;

4. Rearing different categories of sheep

5. Primary zootechnical and sheep flock documentation

Poultry farming

1. Poultry breeds, number of birds in different categories.

2. Poultry flock productivity

4. Rearing of different categories of poultry. Remuneration at poultry farms.

Horse farming

1. Horse breeds, number of horses in different categories.

2. Horse breeding – age of breeding, methods, % insemination, season of insemination, service period of stallions and mares.

3. Rearing of different categories of horses.

6. Marking and age determination of horses.