



Sanaa University

Faculty of Agriculture, Foods, and Environment

Department of Animal Resources



Department Mission:

Providing an educational and training program that equips graduates with sufficient experience in all branches of animal production, providing a high level of scientific and practical training for work in various animal production projects, conducting distinguished scientific research that contributes to the development of scientific knowledge and addresses the problems of animal production in Yemen, and serving the community to drive the wheel of development forward.

Community Services

Department Services Provided to the Community:

Offering scientific consultations to all individuals and professionals engaged in animal production activities, encompassing the domains of nutrition and care for ruminants and poultry, animal and poultry breeding and enhancement, reproduction and artificial insemination, animal diseases, and fish production.

Performing technical and economic feasibility studies for various animal production farms.

Conducting specialized training courses and workshops tailored to the requirements of animal production sectors and their workforce.

Offering technical supervision for animal and poultry production farms.

Conducting laboratory analyses of concentrated feeds.

Providing a comprehensive range of veterinary services to ruminants and poultry.

Supplying university staff with animal products (meat, eggs, milk) at affordable prices.

Department Aims:

Graduating highly qualified cadres equipped with advanced scientific and professional skills in various animal production fields to enable them to compete effectively in the local and regional labor markets.

Directing scientific research and field studies that contribute to the development and resolution of animal production problems and the advancement of production methods.

Continuously developing the mechanisms that contribute to the educational and research process (curricula, laboratories, farms) to provide comprehensive practical training in the implementation and management of various cyclical operations.

Graduating distinguished scientific cadres in the field of postgraduate studies (diplomas and master's degrees) in all animal production specializations.

Organizing seminars, workshops, and training courses that address the various aspects of animal production and serve the workers in this sector. Establishing partnerships with relevant institutions and entities involved in animal and poultry production activities.

Future Aim:

Establishing specialized divisions, including:

- Animal Production Division
- Poultry Division
- Animal Health Division

Department Vision

Providing education that adheres to high-quality standards and academic accreditation for its graduates and conducting scientific research and field studies, utilizing the outcomes to address and resolve animal production challenges within Yemen and the surrounding region.

Brief about the Department

The Department of Animal Resources is one of the departments established after the faculty was founded. The department began offering studies in the academic year 1988–1989. Since its establishment, the department has graduated 403 students and 27 master's students by the year 2019–2020.

One student has obtained a Ph.D. in collaboration with a university in a friendly country. The department currently has a teaching staff of 12 members, including five professors, three associate professors, and four assistant professors.

It also has a number of technical staff with bachelor's degrees, totaling six.



Study plan of the Animal Resources Program (ANR)

Third Level Courses

First Semester	Second Semester
Ruminant Nutrition	Poultry Nutrition
Animals and Poultry Health	Fish culture and Aquaponic
Wealth Aquatic Animal	Physiology of Reproduction
Animal and Poultry Physiology	Meat Cattle Production
Agricultural Extension & Rural Community	Sheep and Goats Production
Forage and Pastures Crops	Poultry Diseases
Statistical Designs	Summer Training

Fourth Level Courses

First Semester	Second Semester
Dairy and Meat Technology	Animal Environment
Dairy Cattle Production	Animal Production Farms
Poultry Meat Production	Animal Diseases
Natural Postures	Genetic Improvement
Fish Production	Poultry Egg Production
Feedstuff Analysis	Apiculture
Camel and Horses Production	Graduation Project



Career Opportunities

Potential Career Opportunities for Graduates of the Department:

Animal production projects
 Dairy farms
 Sheep and goat fattening projects
 Land, sea, and air outlets, as well as the Customs Authority
 Slaughterhouses, markets, and fish farms as quality control supervisors
 Central feed laboratories
 Poultry production farms and projects, as well as hatcheries
 Veterinary service centers or stations, and livestock extension centers



Graduate Attributes:

Upon successful completion of this program, the graduate will be able to:

- Implement good agricultural practices that maximize agricultural productivity, animal and fish production, ensuring safe food production, addressing fertility issues, and overcoming low production problems.
- Formulate a variety of balanced and cost-effective rations to ensure the production of safe animal products for human consumption.
- Utilize agricultural resources optimally within the animal and fish wealth sector, effectively leveraging investment projects to achieve sustainable agricultural development.
- Apply modern techniques relevant to agricultural operations, food production, and management of animal and fish farms to conduct rigorous scientific research aimed at genetic improvement, production optimization, and preservation of genetic resources.
- Master effective communication skills within team settings, demonstrate an understanding of others' behaviors, and engage in self-learning to enhance their scientific capabilities.
- Analyze data and information using scientific methodology to address agricultural, nutritional, animal, and fish production problems, effectively identifying and implementing optimal solutions.
- Propose commercial production plans for animal and food resources in alignment with market systems and evaluate their environmental impact.
- Diagnose major diseases affecting animals and fish, implement appropriate measures to prevent their spread, and safeguard the environment.
- Elaborate on animal health care practices, the impact of animal-environment interactions, and demonstrate proficiency in laboratory skills, adhering to quality and safety standards in the field of agriculture and food.