

# Animal Sciences - Welfare and Production

[See study programme](#)

## Autumn 2023 (1. semester)

<a href="#">Basic Mathematics</a>	MAT1010 2.5 sp
<a href="#">Physiology and Anatomy</a>	HUS120 10 sp
<a href="#">Livestock Environment and Welfare</a>	HUS1000 10 sp
<a href="#">Ex. Phil. Ethics, Sustainability and Social Responsibility</a>	FIL1001 7.5 sp

## Spring 2024 (2. semester)

<a href="#">Climate and Sustainability</a>	HUS1003 5 sp
<a href="#">Animal Health</a>	HUS1002 7.5 sp
<a href="#">Genetics and Evolution</a>	HUS1001 7.5 sp
<a href="#">Chemistry, Environment and Pollution</a>	BIO101 10 sp

## Autumn 2024 (3. semester)

<a href="#">Animal Nutrition</a>	HUS210 10 sp
<a href="#">Business Economics</a>	ECO1014 7.5 sp
<a href="#">Forage Production and Feeds</a>	HUS1004 7.5 sp
<a href="#">Livestock Housing 1</a>	HUS2000 5 sp

## Spring 2025 (4. semester)

<u>Agricultural Accounting</u>	REG1003 7.5 sp
<u>Pork Production</u>	HUS2002 7.5 sp
<u>Livestock Housing 2</u>	HUS2001 10 sp

### Elective courses

<u>Horse and dog</u>	HUS2030 5 sp
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## Autumn 2025 (5. semester)

<u>Introduction to Scientific Methods and Writing</u>	MET2000 5 sp
<u>Agricultural Policy</u>	HUS3301 7.5 sp
<u>Beef Production and Economy</u>	HUS305 15 sp
<u>Bachelor's Thesis in Animal Welfare (1/2)</u>	BAC350 0 sp

## Spring 2026 (6. semester)

<u>Small Ruminants and Poultry</u>	HUS2003 10 sp
<u>Bachelor's Thesis in Animal Welfare (2/2)</u>	BAC350 15 sp

### Elective courses

<u>Mathematics/Statistics for Biologists</u>	MA116F 10 sp
<u>Entrepreneurship and Management</u>	HUS2151 7.5 sp

### Programme description

The bachelor's programme in Animal Sciences - Welfare and Production aims to: Provide a vocational education that qualifies candidates for holding high-skill positions in livestock advising and planning, for holding various

positions in farming organisations, public farming management as well as in service and refining industries related to keeping of animals and livestock. Provide a satisfactory vocational education for livestock keepers who plan to keep livestock animals in a financially viable and animal welfare based manner. Many candidates from this programme now run their own farms.

A total of 3 elective courses are offered during the 4th and 6th semesters that can be replaced by other relevant courses. Change of elective courses must be clarified with the student advisor.

Parts of the teaching may be given in English and at location Mære.

## Learning outcomes

Upon successful completion of this programme, the candidate:

### Knowledge:

- have thorough knowledge of livestock anatomy and physiology, health, welfare and production
- have thorough knowledge of production economy and construction solutions in livestock production contexts
- have thorough knowledge of public laws and regulations that are important to livestock keeping
- is familiar with important research and development work in livestock production and is able to update his or her knowledge of agriculture

### Skills:

- can apply professional knowledge and results from research and development work to agricultural issues
- can reflect upon how livestock farming should be conducted in order to achieve good animal welfare and good financial results
- can locate, assess and apply academic knowledge to inform agricultural issues
- can apply different tools to analyse, plan and present optimal operation plans for different kinds of livestock animals

### General competences:

- has thorough knowledge and understanding of professional and ethical issues related to animal welfare and production
- can plan and conduct various larger assignments, alone or as member of a group, in keeping with ethical norms and standards
- can collect, quality assure and apply relevant information to professional contexts and present this to others
- can exchange views and experiences in a professional community and through that contribute to the developing of profitable livestock keeping based on good animal welfare
- is familiar with innovation and innovation processes and can apply this knowledge onto optimisation of agricultural activities

## Admission requirements

Higher education entrance qualification. Norwegian language proficiency. This programme is only taught in Norwegian. If you do not meet the Norwegian language proficiency requirements, you do not qualify for admission. [View general admission and documentation requirements.](#)

## Career possibilities

This programme qualifies candidates to hold positions on consultant and middle management levels in private as well as public organisations where theoretical competence as well as practical knowledge of livestock-related issues is required.

## Further education

This programme qualifies candidates to apply for the [MSc programme in Biosciences](#) or [Nordic Master in Sustainable Production and Utilization of Marine Bioresources](#) at Nord University. For admission at MSc programme in Bioscience, an additional course in mathematics/statistics is required. The programme is also suited for those

wanting to pursue relevant masters degrees at other institutions in Norway as well as abroad.

### Study abroad

Would you like to spend a semester abroad at a foreign institution? For students of the study programme Animal Sciences - Welfare and Production it is advisable to go abroad in the fourth semester. Relevant exchange institutions can be found in Sweden (Swedish University of Agricultural Sciences), The Netherlands, and USA.

For more information on the process, you can contact [Jose de Pool](#), advisor for study exchange.

The world is yours to explore!

### Costs

In addition to the semester fee and syllabus literature, it is assumed that students have a laptop with microphone and camera. Students must purchase their own laboratory coat for use in courses with laboratory exercises. Students should further expect costs to incur in relation to transportation, accommodation and catering related to non-mandatory excursions and field courses.

### Assessment methods

Either a home exam, an oral examination or a written examination, or a combination, with regular Norwegian grading system.

The Norwegian system for grading and assessment using the letter grades A - F, in which A denotes the best/highest grade and F denotes "not passed". Candidates work can also be assessed as "passed", "not passed", "approved" and "not approved". See [rules and regulations](#).

### Programme evaluation

The programme is evaluated via student questionnaire, as well as by the programme coordinator. The evaluations form a part of the university's quality assurance system.

### Qualifications requirements and regulations

See [rules and regulations](#).