Study Abroad in Agriculture - Discover exceptional opportunities at Australia’s #1 university for agricultural science*.

Study at The University of Queensland (UQ) for one or two semesters to gain a different perspective on your field of study. This flyer includes just some of UQ's most popular agricultural science courses for Study Abroad students. All of the listed courses are based at UQ Gatton – a campus located in one of Queensland’s largest agricultural areas, offering you access to equipment, a library, computer labs and the industry itself.

For an extensive list of available courses: uq.edu.au/study

For more information about UQ’s Study Abroad program: uq.edu.au/studyabroad

Key to icons:

Animal Welfare, Behaviour & Handling (ANIM1014)

- Semester: Semester 1 (February start)
- Course level: Year 1
- Location: Gatton

Learn how to handle and manage companion, farm, recreational and wild animals ensuring the safety of both humans and animals. Lectures and hands-on practicals will give you a good understanding of animal behaviour and of the relationship that they develop with us. This knowledge will in turn help you to understand and manage the problems associated with the handling, management and ownership of these animals in our society today.

Plant Production Technology (AGRC1022)

- Semester: Semester 2 (July start)
- Course level: Year 1
- Location: Gatton

This course introduces you to the operation and management of plant production technology – from tillage to plantation, chemical application, harvesting, drying, handling and storage. A particular focus will be on grain, hay, forage and horticultural harvesting. You will get a good understanding of machinery performance, costing and selection enabling you to make strategic buying decisions at any agricultural or horticultural enterprise.

Livestock Industries (ANIM1018)

- Semester: Semester 2 (July start)
- Course level: Year 1
- Location: Gatton

Get a hands-on introduction to the production of beef and dairy cattle, sheep, goats, pigs, poultry and horses. You will learn about the major breeds used in the Australian livestock industries as well as their economic significance in the global context. With a variety of domestic livestock housed at Gatton campus, you will have opportunities to practice your animal handling skills during practicals. Some prior knowledge of animal welfare, behaviour and handling is beneficial.

*The 2014 QS World University Rankings by Subject ranked UQ #1 for Agriculture & Forestry in Australia and #18 globally.
Agroecology (AGRC2040)
Semester: Semester 2 (July start)
Course level: Year 3
Location: Gatton
Agroecology is the study of the interrelationships between plants, animals, soils and water within an economic, social and global framework. This course will give you a foundation in plant and animal biology as well as ecological principles in agricultural systems, enabling you to analyse, improve or develop novel management approaches. This course includes a full-day field trip to a major farming region. A background in biology, especially plant biology, would be helpful in understanding this course.

Pasture Science (AGRC3006)
Semester: Semester 1 (February start)
Course level: Year 3
Location: Gatton
Pastures are a crucial feed base and production system for grazing animals. To establish and maintain viable pastures in tropical and subtropical climates can be challenging due to their exposure to a multitude of environmental stresses, such as climate, soil, pests and diseases. This course will cover advanced topics in tropical and subtropical pasture science including pasture establishment, plant improvement, sampling, yield, ecology, and carrying capacity under grazing. This course includes practical classes and field trips. High School or first year university biology knowledge is assumed.

Grazing Animal Production (ANIM2054)
Semester: Semester 2 (July start)
Course level: Year 2
Location: Gatton
Study best practices used in the sustainable management and husbandry of dairy cattle, sheep and goats for the production of meat, milk, fibre, and skins. The knowledge you gain will enable you to establish suitable production goals, analyse fluctuating supply and demand, and develop management plans for husbandry, nutrition, reproduction and health aspects, as well as solutions for animal welfare issues. This course includes practical classes and field trips.

Animal Reproduction (ANIM3019)
Semester: Semester 1 (February start)
Course level: Year 3
Location: Gatton
Pre-requisite: A completed course in introductory reproductive theory and practice. Q-fever vaccination is recommended as you may come into contact with bovine reproductive material.
Gain advanced knowledge in animal reproductive biology across aquacultural species, amphibians, reptiles, birds and mammals. You will get hands-on experience in setting up an oestrus synchronisation protocol in the UQ Gatton goat herd, gamete recovery and cryopreservation, toad and chicken reproductive dissection, ram and bull breeding soundness examination, EJ and AV semen collection, and sperm morphology evaluation in the stallion.

Captive Wildlife Husbandry (ANIM3016)
Semester: Semester 2 (July start)
Course level: Year 3
Location: Gatton
For those wishing to work in zoological institutions or in wildlife conservation, this course will provide an insight into the care, husbandry and management of wild animals in captivity, and their reintroduction to the wild. The course includes a handling demonstration of a variety of species as well as at least three excursions to wildlife parks in southeast Queensland, giving you opportunities to observe wildlife first-hand and explore future employment opportunities. You will have access to a range of Australian marsupials and reptiles on campus at UQ’s Native Wildlife Facility.

Precision Agriculture (AGRC3036)
Semester: Semester 1 (February start)
Course level: Year 3
Location: Gatton
Utilise the power of precision technologies for addressing real life issues in agricultural land management. Learn how to analyse spatial data sets, process images, monitor and map yield and even how to fly Quadcopters. This hands-on course covers a range of precision agriculture technologies such as Global Positioning Systems (GPS), Geographic Information Systems (GIS), Remote Sensing (RS), and Mapping and Variable Rate Technologies (VRT). A background in Precision Agriculture is not assumed, but some knowledge of crop or animal production is useful.

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