

# AGRI 2001 AGRONOMY

**Legacy Code** 300863

**Coordinator** Samsul Huda (<https://directory.westernsydney.edu.au/search/name/Samsul Huda/>)

## **Student Contribution Band**

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

## **Learning Outcomes**

On successful completion of this subject, students should be able to:

1. Describe and explain the key concepts of pasture and crop agronomy
2. Recognise the major crop and pasture species in Australian agriculture
3. Manage crops in the field and glasshouse
4. Use equipment to measure plant growth and development
5. Calculate fertiliser needs for potential production
6. Estimate water requirements for improved crop growth and development
7. Relate grazing management issues to animal production
8. Plan and design an experiment to determine the response of a crop to different levels of nutrient

## **Subject Content**

1. Physiology and adaptation of crop plants
2. Plant nutrition
3. Canopy structure - Photosynthesis and respiration
4. Potential yield, soil - crop/pasture - water relations
5. Plant protection - weeds - Competition and plant community relationships
6. Grain development
7. Grazing management
8. Experimental design and data analysis