

Advanced Diploma of Equine Management

First-year subjects

202-151 Information Technology and Communication

See full subject details on page 1.

202-154 Introductory Biology for Land and Food

See full subject details on page 1.

204-151 Horse Reproduction

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Jane Williams

Prerequisites: 204-154 Industry Practices (Horse) and 202-154 Introductory Biology for Land and Food.

Contact: 24 lectures and 36 hours practical classes, tutorials and tours. Residential workshop for flexible-delivery students (*Semester 2*).

Description: This subject covers horse reproductive anatomy and physiology. Topics include:

- identification of organs and dissections;
- endocrinology and application to horse studs;
- animal management including pre-season, breeding season and post-season, management of cycling of the mare;
- management of the stallion;
- reproductive disease, foaling;
- neonatal foal management;
- stallion handling;
- mare preparation;
- foal handling;
- reproductive performance recording and record analysis;
- artificial insemination theory, practice and management; and
- embryo transfer, sperm injection new technologies.

Assessment: One 3-hour written examination (50%), 3000-word assignment (50%). Adequate personal performance (to industry standards) in the management of a horse enterprise is incorporated as a hurdle.

204-152 Horse Form and Function

Availability: Glenormiston campus

Credit points: 12.5

HECS-band: 2

Coordinator: Mr Peter Cakebread

Prerequisites: 202-154 Introductory Biology for Land and Food

Contact: 24 lectures and 24 hours practical classes, tutorials and tours (*Semester 2*).

Description: Topics include:

- musculo-skeletal system: osteology, myology, arthrology, desmology;
- respiratory, circulatory, nervous, urinary, digestive systems;
- anatomy and physiology (cellular, tissue, organ) system failure, management issues; functional analysis of the horse;
- functional units: limb and foot action, back, heart and lung capacity;
- physical characteristics of the horse;
- terminology associated with physical characteristics of horses;
- conformation for a particular purpose;
- identify correct and incorrect conformation of a horse selected for a particular purpose and its effect on performance;
- gaits and gait interferences;
- various gaits of a horse and gait interferences arising from conformation;
- locomotion patterns of the horse in motion with respect to the biomechanics of movement; and
- understanding behaviour, behavioural theories and the evolution of equine behaviour, mechanisms of behaviour, physiological aspects of behaviour, communication and social organisation, management of behaviour, welfare, learning and training.

Assessment: One 3-hour written examination worth 40% of final marks, three assignments equivalent to 1500 words and worth 20% of final marks each.

204-153 Equine Resources

Availability: Glenormiston campus

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Louise Nunn

Contact: Twenty-four lectures and 36 hours workshops and tours (*Semester 1*).

Description: This subject includes case studies, tours, project work on resources, facilities, equipment, routines, record keeping. Topics include recognition of a wide range of horse enterprises and where they fit into the industry, how they operate; basic climate and water resources required on horse enterprise, water reticulation; effective use and management of existing horse, stud and stable resources; saddlery and equipment; making use of reconciled inventories and operations over time, of physical horse, stud and stable resources and activities for managerial requirements and to enable statutory returns to be completed; occupational health and safety management; keeping employee records to conform with requirements of the taxation office, other statutory authorities; awareness of provisions of Occupational Health and Safety Act, including the need to employ occupational health and safety professional to put the system in place; farm layout, buildings; and identifying horse stud and stable resources (land and improvements, machinery, livestock and labour).

Assessment: One 3-hour written examination (50%) and two assignments (2500 words) (25% each).

204-154 Industry Practices (Horse)

Note: This subject involves the use of animals. Students should be aware that this is an essential part of these subjects and exemption from this component is not possible

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Jane Williams

Contact: Twenty-four hours lectures and 48 hours workshops and practical classes. Residential workshop for flexible-delivery students (*Semester 1*).

Description: Topics include:

- occupational health and safety;
- purpose of horses, uses of breeds;
- pre-subject skills audit eg. riding, horse identification;
- welfare of horses, code of practice, horse handling;
- hatching, moving and restraining a range of horses;
- applying common gear and equipment;
- management systems;
- stable routines, feeding practices;
- performing common treatments (drench, vaccination);
- hoof care and maintenance;
- transporting horses;
- knowledge of dental procedures, branding;
- weaning;
- accustoming to handling, teaching to lead, eg. handling, weaning from dam;
- horse education; and
- teaching a horse to be ridden/driven and given basic education (walk, trot and canter on command) in preparation for future use eg. racehorse; and different methods for basic training.

Assessment: Two 3000-word assignments (50% each). Adequate personal performance (to industry standards) in the operation of a horse enterprise (Glenormiston Stud or equivalent) is incorporated as a hurdle.

204-155 Horse Nutrition and Feed Production

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Jane Myers

Prerequisites: 202-154 Introductory Biology for Land and Food.

Contact: Twenty-four lectures and 36 hours practical classes, tutorials and tours (*Semester 2*).

Description: Topics include:

- climatology;
- the influence of climate on plant growth;
- soils and their influence on plant growth;
- fertilisers, plant identification;
- common grasses, weeds and crops, weed control;
- management of common weed species;

- pasture renovation, factors required for efficient pasture establishment, growth and maintenance;
- fodder crops and fodder conservation;
- recognise common procedures relevant to pasture and cropping enterprises;
- recognising horse feedstuffs and assessing their quality;
- nutritional requirements;
- anatomical and physiological aspects that determine nutritional needs;
- weight estimation;
- feedstuffs and ration formulation;
- analysis of feeds and assessing quality;
- calculating the components of rations;
- changing physiological requirements and ration formulation calculation of requirements for growth, activity, pregnancy and lactation;
- limitations of NRC recommendations;
- ration calculations;
- dynamic changes in feed requirements; nutritional deficiencies and disease, recognising nutritional deficiencies;
- malnutrition;
- diseases of excess nutrition;
- vitamin and mineral deficiencies;
- grazing and feeding strategies; and
- identifying effective strategies for managing the nutritional needs of the horse.

Assessment: One 3-hour written examination (50%); 2000-word assignments (25%); computer-assessed learning package (25%)

208-161 Financial Management for Resource Ind I

See full subject details on page 2.

Second-year subjects

204-251 Horse Health and Genetics

Availability: Glenormiston campus

Credit points: 12.5

HECS-band: 2

Coordinator: Dr Peter Cakebread

Prerequisites: 204-152 Horse Form and Function and 204-155 Horse Nutrition and Feed Production

Contact: Twenty-four hours lectures and 24 hours practical classes, tutorials and tours (*Semester 1*).

Description: Upon completion students should be able to:

- apply Mendelian genetic principles to the control of inherited faults and the selection of coat colour;
- apply quantitative genetic techniques to breeding programs;
- list and give the causes, describe the nature and progression and suggest treatment of common diseases;
- describe common diagnostic procedures;
- outline appropriate preventative measures for common diseases; and
- outline the obligations and responsibilities of the horse manager within the laws and regulations.

The content includes:

- applying Mendelian genetic principles to genetic faults and selection of coat colour;
- gene interactions;
- application of quantitative genetic principles to performance selection;
- progeny testing;
- breeding plans;
- signs of ill-health and the clinical examination of their nature and variation;
- cause and nature of diseases;
- laboratory tests and procedures;
- diagnostic tests, their uses and limitations;
- treatments and surgical procedures, principles of first aid;
- laws and regulations relating to horse health;
- role of the various forms of health services;
- exotic diseases; and
- disease prevention programs.

Assessment: One three-hour written examination worth 50% of final marks, two assignments equivalent to 2500 words and worth 25% of final marks each.

204-252 Equine Training

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Jane Williams

Prerequisites: 204-152 Horse Form and Function.

Contact: Twenty-four hours lectures and 24 hours practical classes, tutorials and tours (*Semester 1*).

Description: Upon completion of this subject students should be able to:

- describe and demonstrate the theory and practice of horse training;
- identify the factors and influences effecting the training of horses for a given discipline;
- develop an understanding of exercise physiology in relation to training horses;
- given a training program, to critically assess it with comparison to other methods; and
- given the common fields of training, discuss the specific requirements and demonstrate the basic skills required to carry out a training exercise.

The content includes:

- theory and practice of horse training (racing, equestrian, harness, stock-horse);
- assessment of stable facilities and equipment for training purposes;
- assessment of horses at various stages of training and the monitoring of their progress;
- stable routines;
- training programs (budgets, feed rations), use of new technology in training; and
- exercise physiology.

Assessment: One 2.5-hour written examination worth 40% of final marks, two assignments equivalent to 3000 words and worth 30% of final marks each.

204-253 Equine Systems

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Dr Peter Cakebread

Prerequisites: 204-153 Equine Resources and 204-155 Horse Nutrition and Feed Production.

Contact: Twenty-four hours lectures and 24 hours practical classes, tutorials and tours (*Semester 2*).

Description: Upon completion of this subject, students should be able to:

- identify the factors and influences effecting the maintenance of a sustainable systems;
- describe the interactions between the management components of a stud and stable;
- recognise the influence on industry organisations and service providers to the stud and stable system;
- apply an understanding of systems to stud and stable management problems; and
- develop integrated strategies for specific system-based problems.

The content includes:

- systems approaches;
- ecological aspects of pastures for horses;
- establishment and maintenance of pastures;
- fodder conservation;
- assessment of reproductive performance;
- worm resistance control;
- integration of management;
- integration of management;
- the horse industry; and
- service providers.

Assessment: One three-hour written examination worth 50% of final marks, two assignments equivalent to 2500 words and worth 25% of final marks each.

204-254 Industry Experience (Horse)

Availability: Glenormiston campus.

HECS-band: 2

Coordinator: Ms Donelda Conroy

Prerequisites: Nil.

Semester: Year long

Description: On completion of this subject students should be able to:

- identify and assess management plans and strategies for a horse enterprise;
- work effectively within enterprise organisational structure;
- demonstrate responsibility undertaking common tasks in a working environment; and
- identify the social, environmental and industrial issues involved in management strategies involved in horse enterprises.

At the end of this subject the student should have experienced the real issues of horse enterprises and have been comprehensively involved in the day-to-day operation of horse enterprise/s, and gained appropriate skills.

The content includes practical horse industry work experience.

This experience may be completed before course entry, between first and second year or after completion of two full-time years. Distance education students may complete this at any time during their course.

Assessment: One 5000-word report (100%).

- finance options for equine enterprises;
- financial management systems for equine enterprises;
- case studies of various equine enterprises to identify resource management issues and analyse the potential for improvement; and
- developing new or improved enterprises either within or outside an existing business.

Assessment: One 2.5-hour written examination worth 40% of final marks, two assignments equivalent to 3000 words and worth 30% of final marks each.

204-263 Equine Project

Availability: Glenormiston campus

Credit points: 12.5

HECS-band: 2

Coordinator: Ms Jane Williams

Prerequisites: 204-153 Equine Resources and 204-252 Equine Training.

Contact: Twenty-four lectures and tutorials and 36 hours practical classes (*Semester 2*).

Description: Students will complete a project involving the management of horses. Students will be expected to produce aims, plan, carry out and report on their project. A project example may be: Given a horse, to be trained for a specific objective, and associated facilities and equipment:

- assess the horse's suitability for reaching the specific objective (eg. a barrier trial, a pacing trial, a one day event or an endurance ride);
- assess the suitability of the facilities and equipment;
- plan a suitable training program;
- prepare a cash flow budget;
- prepare feed rations suitable for each stage of the program;
- assess the fitness and progress of the horse at frequent intervals;
- design an efficient stable routine; and
- document the program and its effectiveness at achieving the objective.

Other examples may include:

- grazing trials;
- industry surveys; or
- enterprise proposal.

Other subjects in the advanced diploma may be substituted if considered suitable.

Assessment: One 20-minute oral presentation (30%), practical work completion (20%) and one 4000-word report (50%)

208-269 Managing Staff

See full subject details on page 3.

209-255 Equine Management

Availability: Glenormiston campus.

Credit points: 12.5

HECS-band: 2

Coordinator: Dr Peter Cakebread

Prerequisites: 208-161 Financial Management for Resource Industries I.

Contact: Twenty-four hours lectures and 36 hours tutorials. A week-long tour may also be included (*Semester 1*).

Description: After completing this subject, the student should:

- be able to analyse an equine enterprise to assess the use of resources both physical and financial;
- understand contracts as they apply to selling horses and studs;
- be able to formulate marketing strategies for an equine enterprise; and
- be able to identify a new equine enterprise and plan its implementation.

The content includes:

- buying, leasing and syndication of horses, stud contracts;
- the law relating to horses;
- insurance for horses;
- labour structure and management;
- marketing fundamentals and concepts;
- key marketing strategies for horses;
- planning marketing programs for equine enterprises;
- the role of equine service industries;

