

1. The Graduate

Name: Uddhav Paneru
Student number: 220196856

2. The Award

Doctor of Philosophy

Detail: The Doctor of Philosophy is an AQF Level 10 postgraduate research course completed in English normally taking four years full-time study or part-time equivalent. It is awarded to a graduate who has successfully completed a program of study which includes a significant research component and demonstrates that the graduate has the capacity to conduct research independently at a high level of originality and quality. The program comprises a 100% thesis (or equivalent by publication) that is independently assessed by approved examiners. Entry requirements for admission to a Doctor of Philosophy are available from the UNE Course Handbook <https://handbook.une.edu.au/>.

3. Awarding Institution

With a history extending back to the 1920's the University of New England was the first Australian university established outside a capital city. The University of New England is a statutory body established under the University of New England Act 1993 (NSW). <http://www.une.edu.au>

The Australian Higher Education Graduation Statement is provided by Australian higher education institutions to graduating students on completion of the requirements for a particular higher education award. It provides a description of the nature, level, context and status of studies that were pursued by the individual named. Its purpose is to assist in both national and international recognition of Australian qualifications and to promote international mobility and professional recognition of graduates.

Certification

Date: 27 March 2023



Professor Shelley Kinash
Executive Principal
Student Experience

4. Graduate's Academic Achievements

Award: Doctor of Philosophy
Conferred: 27 March 2023
Course Studied: Doctor of Philosophy

Thesis Title:

Genetic Analysis of Weight and Carcase Traits in Australian Meat Sheep

Thesis Abstract:

Genetic evaluation of Australian sheep is conducted for millions of animals for more than 100 traits. This thesis aims to compare different methods for genetic evaluation for weight and carcase traits for the Australian sheep industry with a specific emphasis on accounting for systematic environmental effects. Results indicate that flock by sex by age interaction significantly improve accuracy of genetic evaluation than pre-adjustment of phenotypes practiced currently to account for systematic environmental effects for early weight traits. Similarly, a linear mixed model produced significant improvement than pre-adjustment of phenotypes for ultrasound scan carcase traits. Random regression with current level of multiple recording is insufficient to produce significant improvement in the modelling for weight traits.

----- End of record -----

5. Description of the Australian Higher Education System

Introduction

The Australian higher education system consists of self-governing public and private universities and higher education institutions that award higher education qualifications.

The Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools.



The AQF has 10 levels, each with defined criteria based on a taxonomy of learning outcomes. Higher education qualifications are placed between level 5 (the Diploma) and level 10 (the Doctoral Degree). The Bachelor Degree is at level 7. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of the knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type. The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

The main AQF qualifications awarded by higher education institutions are Bachelor Degrees, Masters Degrees and Doctoral Degrees. There are also three qualifications at the sub-degree level: the Diploma, the Advanced Diploma and the Associate Degree. At the graduate level but below the Masters Degree are the Graduate Certificate and Graduate Diploma.

Level	Qualification Type	Summary
Level 1	Certificate I	Graduates at this level will have knowledge and skills for initial work, community involvement and/or further learning
Level 2	Certificate II	Graduates at this level will have knowledge and skills for work in a defined context and/or further learning
Level 3	Certificate III	Graduates at this level will have theoretical and practical knowledge and skills for work and/or learning
Level 4	Certificate IV	Graduates at this level will have theoretical and practical knowledge and skills for specialised and/or skilled work and/or further learning
Level 5	Diploma	Graduates at this level will have specialised knowledge and skills for skilled/paraprofessional work and/or further learning
Level 6	Advanced Diploma Associate Degree	Graduates at this level will have broad knowledge and skills for paraprofessional and/or highly skilled work and/or further learning
Level 7	Bachelor Degree	Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning
Level 5-7	Undergraduate Certificate	Graduates with this qualification will have foundational knowledge and skills for further study, professional upskilling, work and participation in lifelong learning
Level 8	Bachelor Honours Degree Graduate Certificate Graduate Diploma	Graduates at this level will have advanced knowledge and skills for professional highly skilled work and/or further learning
Level 9	Masters degree	Graduates at this level will have specialised knowledge and skills for research and/or professional practice and/or further learning
Level 10	Doctoral degree	Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice

Admission

Requirements for admission to particular awards are set by higher education institutions and provide a range of routes for entry and only admit those students considered to have potential to complete an award successfully. Admission of school leavers to undergraduate awards is typically on the basis of the level of achievement in Year 12 secondary education, although some institutions and awards also use interviews, portfolios or demonstrated interest or aptitude. Most institutions also provide alternative entry provisions via bridging or foundation programs for mature age students or other special provisions, such as recognition of prior learning from previous study. Admission to post-graduate awards is generally based on the level of achievement in previous higher education studies and in most cases, admission to PhD awards is based on high achievement in a research Masters Degree or in a Bachelor Degree with first class honours or second class honours division A.

Quality

Quality assurance and stringent approval requirements for higher education institutions ensure that Australia has an international reputation for high quality education.

The Tertiary Education Quality and Standards Agency (TEQSA) was established on 30 July 2011 as a new national regulator and quality assurance agency for higher education. TEQSA is an independent body with the powers to regulate university and non-university higher education providers and monitor quality against standards.

From 29 January 2012 TEQSA assumed responsibility for registering and re-registering providers and accrediting and re-accrediting awards for higher education providers that do not have authority to accredit their own awards. At the time of registration, re-registration, accreditation and/or re-accreditation, TEQSA evaluates the performance of a higher education provider against the Higher Education Standards Framework. The Standards Framework comprises: Provider Registration, Category and Course Accreditation Standards and Qualification Standards (based on the AQF). The Higher Education Standards Panel, which is independent from TEQSA, is responsible for developing and monitoring the Standards Framework.

TEQSA also undertakes quality assessments of individual providers or reviews issues within the sector across a cohort (thematic reviews). These reviews help to identify sectoral good practice, guide sectoral quality enhancement and inform policy and research.

TEQSA's primary aim is to ensure that students receive a high quality education at any of Australia's higher education institutions.

All higher education institutions receiving Australian Government financial support must meet quality and accountability requirements that are set out in the *Higher Education Support Act 2003*. The Australian Government also uses a range of tools to measure and monitor the quality of outcomes, while the interests of international students are protected by the *Education Services for Overseas Students Act 2000* and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS), providing tuition assurance and ensuring that institutions listed on CRICOS meet defined minimum standards.

University of New England

Explanation of Grades and Codes

Grade	Description	%	Point
HD	High Distinction	85+	7
D	Distinction	75-84	6
C	Credit	65-74	5
P	Pass	50-64	4
PC	Conditional Pass	-	3
PA	Conceded Pass	-	3
UP	Ungraded Pass	-	-
VS	Very Satisfactory	-	6
S	Satisfactory	-	4
US	Unsatisfactory	-	0
SR	Satisfied Requirements	-	-
RNS	Requirements not Satisfied	-	-
FF	Fail	0-49	0
N	Fail	0-49	0
NC	Compulsory Fail	50+	0
NC	Withdrawn and deemed to have Failed	-	0

Grade	Description
H1	Honours, Class I
H2A	Honours, Class II, Division 1
H2B	Honours, Class II, Division 2
H3	Honours, Class III
PXM	Pass with Exceptional Merit
PM	Pass with Merit
RY	Result Next Year or Next Teaching Period
YR	Result Teaching Period
AOS	Approved Overseas Study
W	Withdrawn without Penalty
WA	Withdrawn by Administration
WBF	Withdrawn by Faculty
WBR	Withdrawn by Registrar
WUN	Withdrawn by University with Failure
WFN	Withdrawn by Faculty and deemed to have Failed

Unit Values and Equivalencies

In 2000 the University introduced a uniform credit point system whereby most units are 6 credit point value (or multiples of 6) which is equivalent to 150 student workload hours of lectures, practicals, assessment tasks, reading and private study. The normal maximum study load in a teaching period is 24 credits points or 4 units.

Unit Information

Curriculum information for individual units listed on this statement can be found in the University's course and unit catalogue located at <http://www.une.edu.au/courses/>. Details of units prior to 2007 can be located in the University Handbook for the relevant year.

Teaching Periods

Prior to 2012 the majority of coursework units were one semester in length with a summer semester taught between December - January. Some units, especially graduate business school units, were one trimester in length. In 2012 the University introduced a standard trimester system with three teaching periods of February - June, July - October, and November - January. Other teaching periods may be offered as part of a collaborative partnership.

Transcript of Academic Record

The information contained within the Australian Higher Education Graduation Statement pertains to the specified award only. The official record of a student's complete academic history including enrolment in all courses and units, academic results and all other matters of an academic nature is contained in a Transcript of Academic Record.

Glossary of Terms

Advanced Standing	A collective term (including credit transfer, recognition of prior learning, and recognition of current competency) meaning a grant of credit toward a UNE course for relevant approved study, work experience or work at another institution.
Award	The qualification conferred by the University following completion of a course (but not an enabling course).
Course	A program of units leading to an award of the University. Every course has requirements that are described in its rules.
Cum Laude	A Doctor of Philosophy candidate may be awarded the PhD cum laude in cases where the examiners, unanimously and independently, agree that the thesis is of exceptional quality in every respect.
Grade	The conversion of the aggregate mark into an alphabetical code that represents the level of achievement by a student in a unit. Administrative grades that represent not a level of achievement but administrative actions (such as W Withdrawal) are not grades in this context.
Grade Point Average	Where calculated, a grade point average (GPA) is a numerical score that is the sum of the result points achieved in each unit multiplied by the credit point value of the corresponding unit and divided by the total credit points attempted. It is used to calculate a student's average rate of progress through a course.
Mark	A requirement from 2009 onwards, the final numerical mark computed for any student on the basis of combining the outcomes from one or more distinct assessment tasks. Unit marks are not available prior to 2009.
Testamur	The official graduation certificate issued by the University to graduates when they have their award conferred.
Unit	A part of a course with a code, title and credit point value for which a result is recorded on a student's academic record.