

BACCALAUREUS TECHNOLOGIAE: AGRICULTURE: ANIMAL PRODUCTION

Qualification code: BTAP03 - NQF Level 7

Campus where offered: Pretoria Campus (block mode classes)
Last year of new intake: 2019
Teach-out (phase-out) date: 31 December 2021

Students registered for this qualification should complete their studies according to the teach-out date prescribed for the qualification, subject to the stipulations of Regulation 3.1.11 and 3.1.13 in the Students' Rules and Regulations.

Information on phased-out programmes can be obtained from the TUT website, www.tut.ac.za.

Key to asterisks:

* Information does not correspond to information in Report 151.
(Deviations approved by the Senex on 22 June 2011 and June 2015.)

CURRICULUM

Consult the 2019 Faculty Prospectus for the full contents of the qualification.

SUBJECTS PRINTED IN BOLD ARE NOT FOR REGISTRATION PURPOSES.

YEAR SUBJECTS

CODE	SUBJECT	CREDIT
DPS400T	Animal Production IV	(0,250)
PJA400T	Animal Science Project IV*	(0,250)
RMD100C	Research Methodology	
RMD10PC	Research Methodology: Agriculture	(0,125)
RMD10QC	Research Methodology: Biometry	(0,125)

plus one of the following subjects relating to the previous level qualification:

ANS400T	Animal Science IV*	(0,250)
EQC410T	Equine Science IV*	(0,250)

TOTAL CREDITS FOR THE QUALIFICATION: **1,000**

SUBJECT INFORMATION (OVERVIEW OF SYLLABUS)

The syllabus content is subject to change to accommodate industry changes. Please note that a more detailed syllabus is available at the Department or in the study guide that is applicable to a particular subject. At time of publication, the syllabus content was defined as follows:

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ANIMAL PRODUCTION IV (DPS400T)

CONTINUOUS ASSESSMENT

(Subject custodian: Department of Animal Sciences)

Advanced concepts in small stock, poultry, pig, beef, milk and fodder production. Preparation and presentation of three seminars on approved animal and fodder production topics. (Total tuition time: ± 300 hours)

ANIMAL SCIENCE IV (ANS400T)

1 X 3-HOUR PAPER

(Subject custodian: Department of Animal Sciences)

Broadening the knowledge field of animal science through four modules, with an emphasis on animal physiology, nutrition, breeding and health. Animal physiology module covers growth and reproductive physiology. Nutrition will focus on digestion and metabolism of nutrients. Breeding focuses on principles of genetics, molecular biology and breeding systems. Animal health will focus on immunity and vaccination principles, parasites and animal diseases. (Total tuition time: not available)



ANIMAL SCIENCE PROJECT IV (PJA400T)**CONTINUOUS ASSESSMENT**

(Subject custodian: Department of Animal Sciences)

The development and evaluation of a control or development strategy and/or programme regarding a selected diversification or specialist field in agriculture, using existing literature. Internal evaluation on the basis of preparation for, and the presentation of a seminar, through a colloquium. (Total tuition time: ± 200 hours)

E**EQUINE SCIENCE IV (EQC410T)****1 X 3-HOUR PAPER**

(Subject custodian: Department of Animal Sciences)

Deepening the knowledge in the field of Equine Science through the following four modules: Nutrition, Reproduction, Exercise Physiology and Veterinary Care. Nutrition will focus on feeding practices and related problems in sport horses. Reproduction will concentrate on breeding systems and reproductive technology. Exercise Physiology includes principles of movement and training. In Veterinary Care, the existing knowledge of diseases and disorders will be deepened and new insights/ treatment methods will also be discussed. (Total tuition time: ± 300 hours)

R**RESEARCH METHODOLOGY: AGRICULTURE (RMD10PC)****1 X 2-HOUR PAPER**

(Subject custodian: Department of Crop Sciences)

Planning, designing and conducting research; meaning of research; tools in research; research paradigms; research and society; research project cycle; review of literature and citing sources; quantitative research including the survey method and the experimental method; qualitative research; ethics in research: the research proposal. (Total tuition time: ± 48 hours)

RESEARCH METHODOLOGY: BIOMETRY (RMD10QC)**1 X 2-HOUR PAPER**

(Subject custodian: Department of Crop Sciences)

Introduction to statistics and biometry; general concepts in statistics; presenting and summarising data; relationships between variables (regression); probability theory; probability distributions; estimating population parameters; hypothesis testing. (Total tuition time: ± 48 hours)

