



JAMES COOK UNIVERSITY

By the authority of the Council we certify that

SANTIAGO JR. TORDA PENA

has on 25 October 2018 been admitted to the degree of

Doctor of Philosophy

Given under the seal of the
James Cook University

Chancellor

CERTIFIED PHOTOCOPY OF THE ORIGINAL

TERESITA L. QUINANLAN
SUPERVISING ADMINISTRATIVE OFFICER

Vice-Chancellor
and President

The Graduate

Name

Santiago Jr. Torda Pena

Student Number

11646440

The Award

Name of Award

DOCTOR OF PHILOSOPHY

Detail

Admission to the Doctor of Philosophy requires a bachelors degree graduate honours (first class or second class honours division A) that includes a major project component, a masters degree by research degree, or equivalent evidence of research capacity. The Doctor of Philosophy is a (post)graduate research course that normally takes the equivalent of at least 3 years of full-time study to complete. Candidates undertake supervised research training in an area of specialisation, and complete a major research thesis, normally written in English, that is independently assessed, by at least two examiners external to the university, on the basis of its contribution to knowledge.

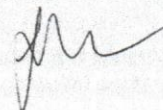
Awarding Institution

James Cook University is a research intensive education institution established by an Act of the Queensland Parliament in 1970 and is listed as an Australian University on the Tertiary Education Quality and Standards Agency's National Register of Higher Education Providers. The University has a reputation for high quality education and world-class research, with a focus on providing leadership and innovation for the tropics. The University's Commonwealth Register of Institutions and Courses for Overseas Students number is 00117J. Further information about James Cook University can be found at www.jcu.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.

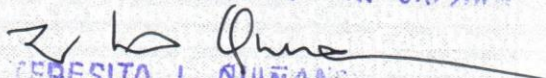
Certification

Date: 25th October 2018

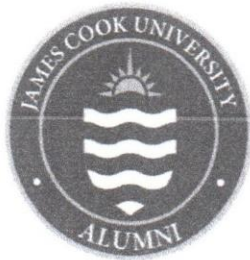


Jodie Midson
Director, Student Services

CERTIFIED PHOTOCOPY OF THE ORIGINAL



CHERISITA L. QUINLAN
SUPERVISING ADMINISTRATIVE OFFICER



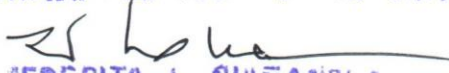
As a graduate of James Cook University

SANTIAGO JR. TORDA PENA

was on 25 October 2018 accorded
perpetual membership of the

JAMES COOK UNIVERSITY
ALUMNI ASSOCIATION

CERTIFIED PHOTOCOPY OF THE ORIGINAL


TERESITA L. QUINOLA
SUPERVISING ADMINISTRATIVE OFF


Vice-Chancellor
and President



STATEMENT OF ACADEMIC RECORD

Santiago Jr. Pena

DATE 07-Dec-2007

STUDENT NUMBER 11646440

Page 1 of 1

Awards

06-Dec-2007 MASTER OF TROPICAL VETERINARY SCIENCE Conferred

Course Summary

Year	Course Title	GPA	Completed
2004	Graduate Diploma of Research Methods (79007)	5.38	24
2005	Master of Tropical Veterinary Science (75203)	N/A	Full Time
2006	Master of Tropical Veterinary Science (75203)	N/A	Full Time

79007

Graduate Diploma of Research Methods

Year	Subject	Title	Credit Points	Grade
2004	PP5005	Special Topics in Physiology	3	D
	TV5020	Animal Production	3	C
	TV5311	Research and Dissertation	12	C
	TV5320	Dissertation	3	C
	ZL5003	Biometrics	3	HD
COURSE GPA: 5.38			Total Credit Points	24

75203

Master of Tropical Veterinary Science

Year	Subject	Title	Load	Grade
2005	MR7226	Masters Research Thesis (Tropical Veterinary Science)	Part Time	N/A
	MR7226	Masters Research Thesis (Tropical Veterinary Science)	Full Time	N/A
2006	MR7226	Masters Research Thesis (Tropical Veterinary Science)	Full Time	N/A
	MR7226	Masters Research Thesis (Tropical Veterinary Science)	Full Time	N/A
		Thesis Title:	Boar Spermatozoa Develop Ability to Bind to Oviduct Epithelium During Passage Through the Epididymis	

End of Record - 11646440



VISAYAS STATE UNIVERSITY

(Formerly Visayas State College of Agriculture and Leyte State University)

Main Campus

Visca, Baybay City, Leyte 6521-A

Philippines

TeleFax: +63 53 335 2601

e-mail: opvisca@mozcom.com

website: www.lsu-visca.edu.ph

Reg. Tel. No.: +63 53 335 2644; +63 53 563 7428

OFFICIAL TRANSCRIPT OF RECORDS

PERSONAL DATA

Student Name : Peña, Santiago Jr. Torda
Student Number : 97000962
Date of Birth : April 28, 1980
Place of Birth : Mlang, N. Cotabato
Sex : Male
Religion : Baptist
Citizenship : Filipino
ACR No. :
Parent/Spouse : Santiago Peña, Sr.
Address : Wainright St., Mlang, N. Cotabato
Tel. No :
Guardian :
Address :
Tel. No. :



PRELIMINARY EDUCATION

Elementary : Mlang Central Pilot School Year: 1993
Mlang, N. Cotabato
High School : Mlang National High School Year: 1997
Mlang, N. Cotabato

Entrance Credential : Form 138 Mlang National High School
Mlang, N. Cotabato

GRADING SYSTEM

RATING	EQUIVALENT	QUALITY
1.00	97-100	Excellent
1.25	94-96	Highly Outstanding
1.50	91-93	Outstanding
1.75	88-90	Very Good
2.00	85-87	Good
2.25	82-84	Very Satisfactory
2.50	79-81	Satisfactory
2.75	76-78	Fair
3.00	75	Passing
5.00	Below 75	Failure
S - Satisfactory		Inc - Incomplete
U - Unsatisfactory		Drp - Dropped
Au - Audit (No credit)		

One collegiate unit of credit is one hour lecture or recitation each week or a total of 18 hours in a semester. Three hours of laboratory work, drafting, or a shop work each week or a total of 54 hours a semester are regarded as equivalent also to one unit of credit.

The semestral average grade of a student is computed by multiplying the number of units assigned to a course by the grade earned and the product divided by the total units earned for the semester.

LINDA N. MARISCAL
University Registrar



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OFFICIAL TRANSCRIPT OF RECORDS

Name : Peña, Santiago Jr. Torda Student No.: 97000962

Course : Doctor of Veterinary Medicine (DVM)

LEYTE STATE UNIVERSITY (LSU), Visca, Baybay, Leyte

Course No	Descriptive Title	Grade	Credits
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First Semester, SY 1997-1998

BIO 11	GENERAL BIOLOGY	1.00	4.0
CHEM 11	GENERAL CHEMISTRY I	1.00	4.0
ENGL 11	COMMUNICATION SKILLS I	1.50	3.0
MATH 11	COLLEGE ALGEBRA	1.50	3.0
PSYC 11	GENERAL PSYCHOLOGY	1.25	3.0
SCSC 13	SOCIO-ECONOMIC SYSTEMS	1.00	3.0
PHYED11	PHYSICAL FITNESS AND GYMNASICS	1.25	2.0
ROTC 11	FIRST YEAR BASIC COURSE	1.75	1.5

Second Semester, SY 1997-1998

BOT 21	GENERAL BOTANY	1.25	3.0
ENGL 12	COMMUNICATION SKILLS II	1.50	3.0
MATH 22	PLANE TRIGONOMETRY	2.25	3.0
PHILO12	CONTEMPORARY PHILOSOPHICAL THOUGHTS	1.25	3.0
SCSC 14	PHIL.SOC.PROBS., LAND REFORM & TAXN	1.00	3.0
SOCI 11	GENERAL SOCIOLOGY	1.50	3.0
ZOO 21	GENERAL ZOOLOGY	1.00	3.0
PHYED12	REC.GAMES,RHYTMIC ACT. AND DANCE	1.00	2.0
ROTC 12	FIRST YEAR BASIC COURSE	2.00	1.5

First Semester, SY 1998-1999

AGRO 21	FUNDAMENTALS OF CROP PRODUCTION	1.50	3.0
AS 21	PRINCIPLES OF ANIMAL SCIENCE	1.50	3.0
CHEM 21	GENERAL CHEMISTRY II	1.00	3.0
ENGL 15	ADVANCED GRAMMAR AND COMPOSITION	1.50	3.0
FIL 25	SINING NG PAKIKIPAGTALASTASAN	1.00	3.0
HUM 11	INTRODUCTION TO HUMANITIES	1.50	3.0
SPCH 11	SPEECH COMMUNICATION	1.25	3.0
PHYED13	TEAM SPORTS	1.25	2.0
ROTC 21	SECOND YEAR BASIC COURSE	2.00	1.5

Second Semester, SY 1998-1999

AGEX132	PRIN., METHODS & STRATEGIES IN EXTN.	Inc.	1.25	3.0
AS 22	PRIN. OF ANIMAL PRODUCTION	1.25	3.0	
CHEM 31	GENERAL BIOCHEMISTRY	1.25	3.0	
ECON 21	FARM MANAGEMENT	1.00	3.0	
PHYS 11	GENERAL PHYSICS	2.00	4.0	
SS 22	FUNDAMENTALS OF SOIL SCIENCE	1.25	3.0	
STAT 21	ELEMENTARY STATISTICS	1.75	3.0	
PHYED14	INDIVIDUAL/DUAL SPORTS	2.00	2.0	
ROTC 22	SECOND YEAR BASIC COURSE	3.00	1.5	

First Semester, SY 1999-2000

AH 101	EMBRYOLOGY	2.75	3.0
AH 103	VETERINARY ANATOMY I	2.00	3.0
AH 107	ANIMAL PHYSIOLOGY I	2.00	3.0
AH 121	VETERINARY MICROBIOLOGY	2.50	3.0

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Name : Pena, Santiago Jr. Torda Student No.: 97000962

Course : Doctor of Veterinary Medicine (DVM)

LEYTE STATE UNIVERSITY (LSU), Visca, Baybay, Leyte

Course No Descriptive Title Grade Credits

Second Semester, SY 2001-2002

VM 141	REPRODUCTION PHYSIOLOGY	1.25	4.0
VM 153	SURGERY II	2.25	3.0
VM 162	VETERINARY OBSTETRICS	2.25	3.0
VM 164	POULTRY AND SWINE MEDICINE	1.50	3.0
VM 166	RUMINANT AND EQUINE MEDICINE	1.50	4.0
VM 171	CLINICAL ORIENTATION I	1.75	2.0
VM 172	CLINICO-PATHOLOGICAL CONFERENCE	Inc. 2.25	1.0

Summer 2002

VM 173A	CLINICS I (INTERNSHIP)	Inc. 1.50	6.0
VM 200	UNDERGRADUATE THESIS	S	In Progress

First Semester, SY 2002-2003

VM 127	SPECIAL PATHOLOGY	Inc. 3.00	2.0
VM 144	VETERINARY PHARMACOLOGY	1.50	4.0
VM 156	SURGERY III	2.75	3.0
VM 167	SMALL ANIMAL MEDICINE	3.00	4.0
VM 168	JURISPRUDENCE, ETHICS & ECONOMICS	2.25	2.0
VM 169	WILDLIFE AND FISH MEDICINE	Inc. 2.50	2.0
VM 174	CLINICS II (INTERNSHIP)	Inc. 3.00	2.0
VM 199	UNDERGRADUATE SEMINAR	2.50	1.0
VM 200	UNDERGRADUATE THESIS	S	In progress

Second Semester, SY 2002-2003

VM 176	CLINICS III (FIELD EXPERIENCE)	1.75	14.0
VM 200	UNDERGRADUATE THESIS	1.75	6.0

THESIS: FACTORS ASSOCIATED WITH THE FAILURE IN ARTIFICIAL INSEMINATION OF CARACOWS IN BAYBAY, LEYTE: AN UNMATCHED CASE-CONTROL STUDY

Graduated CUM LAUDE on March 31, 2003 with the degree of Doctor of Veterinary Medicine (DVM) as per LSU Board of Regents Resolution No.7, s. 2003 dated February 21, 2003.

ANY ENTRY BELOW THIS LINE IS NULL AND VOID

REMARKS : FOR EMPLOYMENT

DATE ISSUED: OCT 24 2007

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Page 4 of 4 pages

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Name : Peña, Santiago Jr. Torda Student No.: 97000962

Course : Doctor of Veterinary Medicine (DVM)

LEYTE STATE UNIVERSITY (LSU), Visca, Baybay, Leyte

Course No Descriptive Title Grade Credits

First Semester, SY 1999-2000

AH 127	VETERINARY ENTOMOLOGY & PROTOZOOLOGY	2.25	3.0
AS 121	POULTRY PRODUCTION & MANAGEMENT	1.25	3.0
BIO 22	PRINCIPLES OF GENETICS	1.00	3.0

Second Semester, SY 1999-2000

AH 104	VETERINARY ANATOMY II	1.75	4.0
AH 126	VETERINARY MICROBIOLOGY II	2.50	3.0
AH 128	VETERINARY HELMINTHOLOGY	2.75	3.0
AS 112	SWINE PRODUCTION	1.00	3.0
AS 151	BREEDING FARM ANIMALS	1.50	3.0
PI 11	PHIL. HISTORY CONSTITUTION & RIZAL	1.25	3.0

Summer 2000

AH 200A	FIELD PRACTICE	S	In Progress
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First Semester, SY 2000-2001

AH 111	HISTOLOGY	2.00	4.0
AH 113	ANIMAL PHYSIOLOGY II	2.00	3.0
AH 141	ELEMENTARY PHARMACOLOGY	1.25	3.0
AH 200A	FIELD PRACTICE	S	In Progress
AS 131	RUMINANT PRODUCTION	Inc.	1.25 3.0
AS 141	FEEDS AND FEEDING	1.50	3.0
PHLT161	FOOD HYGIENCE AND PUBLIC HEALTH	1.50	3.0

Second Semester, SY 2000-2001

AH 125	GENERAL PATHOLOGY	2.00	4.0
AH 134	INTRODUCTION TO VETERINARY MEDICINE	2.25	3.0
AH 144	CLINICAL PATHOLOGY	1.25	3.0
AH 146	IMMUNOLOGY	2.00	2.0
AH 162	ZOOZOSES	1.50	2.0
AS 136	EQUINE PRODUCTION	1.50	2.0
AS 142	ANIMAL NUTRITION	1.00	3.0
AH 199	UNDERGRADUATE SEMINAR	1.25	1.0
AH 200A	FIELD PRACTICE	1.25	6.0

Graduated CUM LAUDE on April 7, 2001 with the degree of Bachelor of Animal Science (BAS) major in Animal Health as per VisCA Board of Trustees Resolution No. 36, s. 2001 dated March 9, 2001.

LEYTE STATE UNIVERSITY, (LSU) Visca, Baybay, Leyte

First Semester, SY 2001-2002

VM 101	APPLIED ANATOMY	2.00	2.0
VM 121	VETERINARY VIROLOGY	1.50	3.0
VM 123	SYSTEMIC PATHOLOGY	2.50	3.0
VM 125	EPIDEMIOLOGY	2.50	3.0
VM 151	SURGERY I	Inc.	3.00 4.0
VM 155	RADIOLOGY	2.50	3.0
VM 198	RESEARCH PLANNING & MANUSCRIPT PREP	Inc.	2.50 3.0

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Page 3 of 4 pages

LINDA N. MARISCAL
University Registrar