



Supplement to the Diploma of Master of Science in Tropical Animal Health

This diploma supplement follows the model developed by the European Commission, the Council of Europe and UNESCO-CEPES. The diploma supplement provides independent data in order to improve the international transparency and the correct recognition of diplomas for academic or professional purposes. The supplement describes the nature, the level, the context, the content and the status of the studies successfully completed by the person named on the diploma to which this supplement is appended. The diploma supplement does not include any value judgment, interpretation on the equivalence or suggestions about recognition.

1. Information identifying the holder of the qualification

- 1.1. Surname: LUMAIN
- 1.2. Given name(s): John Philip Lou
- 1.3. Date and place of birth: 05/07/1995, Quinapondan Eastern Samar, Philippines
- 1.4. Student identification number at the ITM: 11221

2. Information identifying the qualification

- 2.1. Name of the qualification : Master of Science in Tropical Animal Health (MSTAH)
- 2.2. Main field of study for the qualification: Veterinary Medicine, Sciences and Applied Sciences
- 2.3. The university association to which the institution of higher education belongs : not applicable
- 2.4. Name and status of the institution administering the studies: Institute of Tropical Medicine Antwerp (registered as Prins Leopold Instituut voor Tropische Geneeskunde), registered Flemish postgraduate training institution.
- 2.5. Language of course and examination: English.

3. Information on the level of the qualification

- 3.1. Level of qualification: Master level, more specifically subsequent Master (Master after Master): Level 7 according to the Qualifications Structure in Flanders (VKS) and the European Qualifications Framework (EQF)
- 3.2. Duration of the course and study load: 28/01/2019 until \pm December 2020 (exact end date depending on the modules chosen, duration of the thesis work and possible resits), representing 1800 study hours 'student investment time' (SIT), equal to 60 credits.
- 3.3. Admission requirements for the course: a primary university degree in life sciences (min. 4 years) equivalent to 240 ECTS (in the European Union called a Master degree) and proficiency in the course language (English).

4. Information on the content and structure of the course

- 4.1. Study type: blended learning including online and face-to-face learning.
- 4.2. Course content: Following an integrated One Health approach, the programme focuses on the relationships between infectious and parasitic diseases of animals and humans (zoonoses), diseases and ecosystem health in order to improve disease control strategies, ecosystem sustainability, food security and rural development. It will support the building of capacity to meet the challenges to the health of people, livestock and wildlife at such interfaces and at the same time building capacity that can influence the policy process to increase recognition and realization of the One Health concept when dealing with livestock, human and wildlife diseases in the tropics.

4.3. MSTA Structure

The MSTA is offered as a 2-year blended programme (combined web-based and face-to-face) in collaboration with the University of Pretoria (Department of Veterinary Tropical Diseases), South-Africa (UP). The programme is designed to allow participants to combine work and study (partially done from the student's home).

The MSTA has a modular structure and is composed in such a way that a student can, by selecting the appropriate elective modules (theory-based online modules or skills-based modules), achieve a qualification that will support various career paths, including microbiology or parasitology, veterinary field services, or general veterinary practice.

5. Information on the different components of the MSTA

5.1. A compulsory induction/field-workshop that will take place at the Department of Veterinary Tropical Diseases, Faculty of Veterinary Science, Onderstepoort Campus, Pretoria, South Africa, and at the Hans Hoheisen Wildlife Research Station, situated at the Orpen gate of the Kruger National Park in the Mpumalanga Lowveld, South Africa (\pm 12 days).

5.2. Four compulsory online core modules: to be done from the student's home.

- Research Methodology (3 ECTS credits)
- One Health: Basic Concepts (4 ECTS credits)
- Basic Epidemiology (4 ECTS credits)
- Laboratory Diagnostics (3 ECTS credits)

5.3. Elective modules: the total amount of credits for electives is minimum 16 ECTS credits and maximum 18 ECTS credits and the student can choose maximum 2 skills-based modules. The student can choose from:

- Theory-based online modules (to be done from the student's home)

- Advanced Epidemiology (4 ECTS credits)
- Advanced One Health (4 ECTS credits)
- Advanced One Health: Policy (4 ECTS credits)
- Advanced One Health: Public Health (4 ECTS credits)
- Animal Health Management: High Impact and Emerging Diseases (4 ECTS credits)
- General Vector-borne diseases (3 ECTS credits)
- Surveillance and Survey Methodology (4 ECTS credits)
- Ticks and Tick-borne Diseases (3 ECTS credits)

- Skills-based modules that partially will take place at the University of Pretoria/ITM and partially will be given online (blended format: e-learning and face-to-face teaching). Travel to UP or ITM is thus required for the skills-based modules (maximum 2 weeks per module). Exception: the complete Applied Epidemiology module will take place at ITM and will take 3 weeks (no online part). If the student wants to follow this module, he/she has to obtain a mark of 60% or more for the 'Advanced Epidemiology' module.

- Applied Epidemiology (3 ECTS credits)
- Applied Molecular Biology (3 ECTS credits)
- Applied Serology (3 ECTS credits)
- Applied Veterinary Bacteriology (3 ECTS credits)
- Applied Veterinary Helminthology (3 ECTS credits)
- Applied Veterinary Virology (3 ECTS credits)
- Selected Tick Identification (3 ECTS credits)

5.4. Dissertation (30 ECTS credits)



6. Information on the results obtained

6.1. Assessment:

The assessment methods are varied in each module (continuous assessment):

For the online parts, a combination of the following methods is used: quiz, blog, discussion forum, exercises, wiki, open questions, power point presentation.

For the practical parts, a practical skills examination is added.

The final assessment of the participant is based on:

- a) Coursework (represents 50% of the final mark)
- b) Mini-dissertation: manuscript and oral defence (represents 50% of the final mark)

The Master's degree is conferred when the student obtains minimum 50% for coursework and 50% for the mini-dissertation (1 resit is possible).

Students in the master programmes who achieved an average final score of 50% or more but obtained a fail of between 40%-50% for one of three component parts (course work, thesis manuscript, thesis defence), and furthermore didn't fail for more than one third of the credits of the course components (excluding the master exam/assessment) and always achieved marks of at least 40%, can be deliberated.

6.2. Final Evaluation: grades obtained by Mister LUMAIN John Philip Lou

CORE MODULES	ECTS CREDITS	STUDYLOAD	GRADE
Research Methodology (online)	3	90h	80/100
One Health: Basic Concepts (online)	4	120h	82/100
Basic Epidemiology (online)	4	120h	76/100
Laboratory Diagnostics (online)	3	90h	54/100
ELECTIVE MODULES			
Animal Health Management: High Impact & Emerging Diseases (online)	4	120h	72/100
Ticks and Tick-borne Diseases (online)	3	90h	84/100
Applied Veterinary Helminthology (online & practical)	3	90h	74/100
Surveillance and Survey Methodology (online)	4	120h	85/100
General Vector-borne diseases (online)	3	90h	79/100
THESIS	30	900h	
Manuscript (counts for 90 % of the total thesis mark)			78/100
Defence (counts for 10 % of the total thesis mark)			84/100

Title thesis: Occurrence and Identification of Anisakidae in fish on the Belgian market

Date defence: 30/06/2020

Total (average) score obtained for the modules: 76 %

Total score obtained for the thesis: 79 %

The final MSTAH mark obtained by Mister LUMAIN John Philip Lou is '77 %'



The MSTA, as a collaboration with the University of Pretoria, started in January 2016. Up until the date mentioned on this supplement:

- 47 students completed the program and obtained the degree of Master of Science in Tropical Animal Health.
- The average score for the final MSTA mark is 71%.
- The distribution of grades among the graduates can be found in the table of the grade distribution below.

Table of the grade distribution

Range of pass grades (final MSTA mark)	Percentage of MSTA graduates achieving the grade since January 2016
85 – 100	0 %
80 – 84,9	9 %
75 – 79,9	15 %
70 – 74,9	38 %
65 – 69,9	21 %
60 – 64,9	15 %
55 – 59,9	2 %
50 – 54,9	0 %

7. Information on the function of this diploma

Access to further studies or professional functions depends on the laws and regulations of the home country of the student.

8. Additional information

Additional information: no exemptions for course components or examinations have been granted to the candidate.

Information sources : please consult the following websites

- www.hogeronderwijsregister.be presenting the Flemish Higher Education Register
- www.itg.be presenting the Institute of Tropical Medicine, Antwerpen, Belgium
- <http://www.up.ac.za/> presenting the University of Pretoria, South Africa
- <http://nadicvlaanderen.be/> presenting NADIC-Vlaanderen, the Flemish information centre of "National Academic Recognition and Information Centre Network" of the European Economic Area created in 1984 by the European Commission of the European Union.
- www.nvao.net presenting the Accreditation Organisation of Flanders and the Netherlands (NVAO).

9. Certification of the supplement

Antwerpen, 08/09/2020



Dr Mieke Stevens
Institute of Tropical Medicine Antwerp
Education Coordinator of the Dep. of Biomedical Sciences
Nationaalestraat 155, 2000 Antwerp, BELGIUM
E-mail: mstevens@itg.be, tel.: +32/3.247.63.97



Seal of the Institute of Tropical Medicine



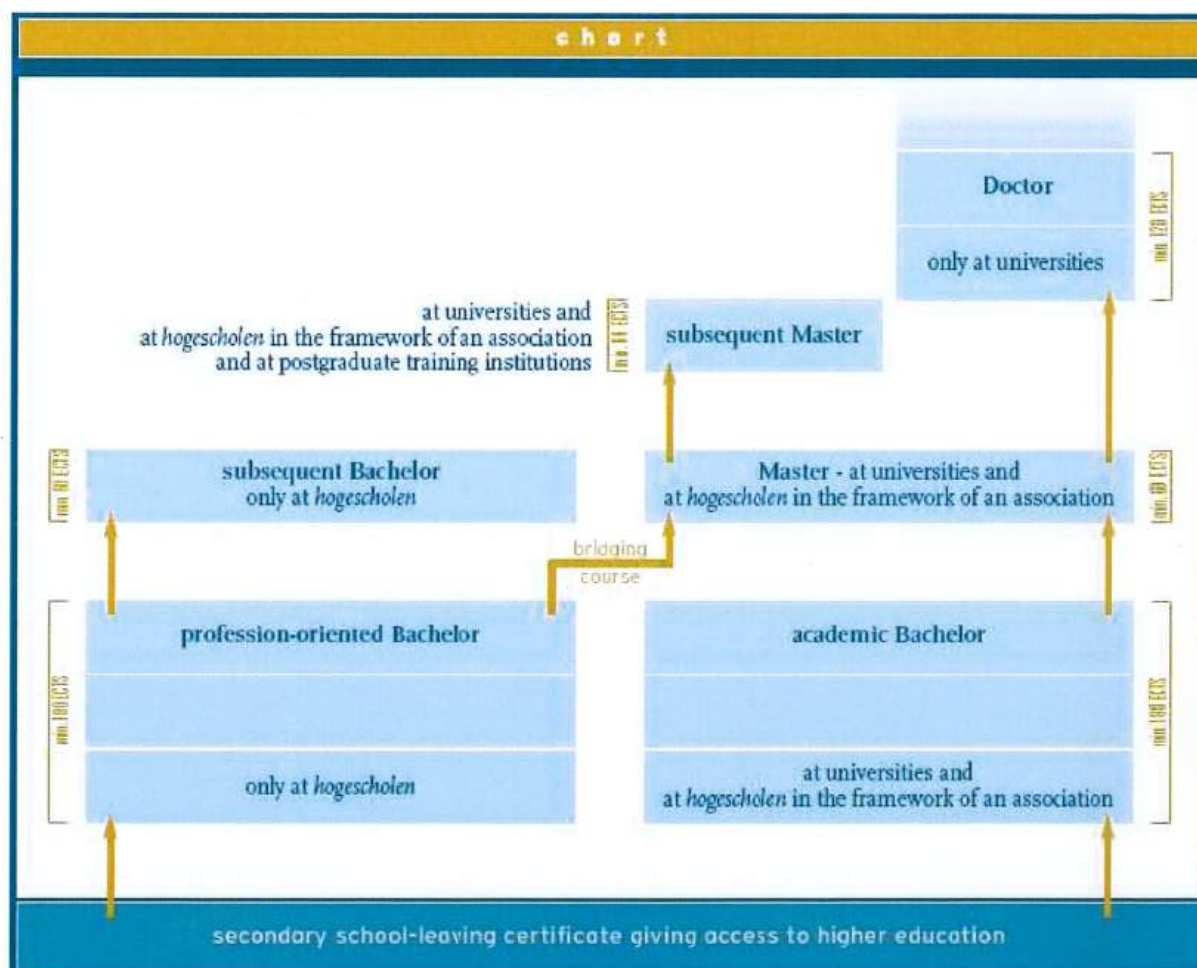
Information on the higher education system of the Flemish Community in Belgium

Description of the higher education system in the Flemish Community

In Flanders there are three levels of education:

- **The primary education** (from age 6 to 12)
- **The secondary education** (from age 12 to 18)
- **The higher education** (from age 18). In the Flemish Community in Belgium, higher education is organised at the universities, in 'hogescholen' or polytechnics and in specialised postgraduate training institutions.
 - **Higher academic education** is organised in the institutions with a university or similar statute: the Flemish Community in Belgium has 6 universities and a few postgraduate training institutions under University Laws. The Institute of Tropical Medicine is one of the latter. The universities offer a primarily academic education divided into two cycles: *bachelor* (3 years) and *master* (1 or 2 years). The Institute of Tropical Medicine offers an academic *master* education (1 year) accessible to holders of a university master or equivalent. The *master* programme of the Institute of Tropical Medicine is also called a subsequent *master*.
 - **Higher professional education in 'hogescholen'** (and similar institutions) is subdivided in education of the short type (3 or 4 years) in one cycle (bachelor) and education of the long type in two cycles (cf. academic education), in collaboration with universities.

Diagram of the higher education system in the Flemish Community





CERTIFICATE
OF EVALUATION

JOHN PHILIP LOU LUMAIN

Serial number
811209

Qualification (1):	Doctor of Veterinary Medicine
Awarding body / institution:	Visayas State University (formerly known as Leyte State University /Visayas State College of Agriculture
Date of completion / award:	2017
Closest comparable South African qualification / qualification type:	Bachelor of Veterinary Science
Organising Field:	Health Sciences and Social Services
Sub-framework location:	Higher Education Qualifications Sub-framework
NQF Level:	8
Credits:	720

SAQA verified that, at the time of award of qualifications listed on this certificate, the institutions were part of the national systems in their countries of origin and had the right to award these qualifications. SAQA took all responsible steps to ensure that the qualifications are authentic.

SAQA provides a foreign qualifications evaluation and advisory service in terms of the NQF Act 67 of 2008.

SAQA confirmed the above information, for digital certification and sharing by PrivySeal Limited, at 10:08 SAST on 16 January 2019.





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STATE UNIVERSITY

Main Campus

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

OFFICE OF THE UNIVERSITY REGISTRAR

Visca, Baybay City, Leyte 6521-A, Philippines

Phone/Fax: +63 53 563 7067;

+63 53 563 7428

Email: registrar@vsu.edu.ph

Website: www.vsu.edu.ph

OFFICIAL TRANSCRIPT OF RECORDS

PERSONAL DATA

Student Name : Lumain, John Philip Lou Machica
Student Number : 11-1-01002
Date of Birth : July 05, 1995
Place of Birth : Quinapondan, Eastern Samar
Sex : Male
Religion : Roman Catholic
Citizenship : Filipino
Parent/Spouse : Federico D. Lumain
Address : Barangay 01, Quinapondan, Eastern Samar
Tel. No./Cell. No. :
Guardian :
Address/Cell. No. :



PRELIMINARY EDUCATION

Elementary : Quinapondan Central Elementary School **Year** : 2007
 Quinapondan, Eastern Samar
High School : Our Lady of Fatima Academy **Year** : 2011
 Gen. Mac Arthur, Eastern Samar
Entrance Credential : Form 138-A
 Our Lady of Fatima Academy
 Gen. Mac Arthur, Eastern Samar

GRADING SYSTEM:	NUMERICAL RATING	ALPHABETICAL RATING	ADJECTIVAL RATING
	1.00	A	Excellent
	1.25	A+	Highly Outstanding
	1.50	A-	Outstanding
	1.75	B	Very Good
	2.00	B+	Good
	2.25	B-	Very Satisfactory
	2.50	C	Satisfactory
	2.75	C+	Fair
	3.00	C-	Passing
	5.00	F	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 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.

ELIEZER L. VELASCO
University Registrar

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VISAYAS STATE UNIVERSITY (VSU), Visca, Baybay City, Leyte

11-1-01002 : Lumain, John Philip Lou Machica

Doctor of Veterinary Medicine (DVM)

Course	Descriptive Title	Grade	Credit
First Semester, SY 2011-2012			
Chem 11	GENERAL CHEMISTRY I	1.75	4.0
Engl 11	STUDY and THINKING SKILLS	2.50	3.0
Fili 11	SINING NG PAKIKIPAGTALASTASAN AT RETORIKA	1.50	3.0
Math 11	COLLEGE ALGEBRA	2.50	3.0
Psyc 11	GENERAL PSYCHOLOGY	1.50	3.0
ScSc 13	SOCIO-ECONOMIC SYSTEMS	1.75	3.0
Soci 11	GENERAL SOCIOLOGY	1.50	3.0
PhyEd11	PHYSICAL FITNESS AND GYMNASICS	1.50	2.0
NSTP 11r	RESERVE OFFICERS TRAINING CORPS (ROTC)	1.50	3.0
Second Semester, SY 2011-2012			
Engl 12	WRITING IN THE DISCIPLINE	2.00	3.0
Fili 13	ANG PANITIKAN NG PILIPINAS	1.50	3.0
Math 12	PLANE TRIGONOMETRY	2.25	3.0
ScSc 15	PHILIPPINE HISTORY, GOVERNMENT & CONSTITUTION	1.75	3.0
Stat 21	ELEMENTARY STATISTICS	2.50	3.0
Zool 19	INTRODUCTORY ZOOLOGY	1.75	5.0
PhyEd12	RECREATIONAL GAMES, RHYTHMIC ACTIVITIES & DANCE	1.00	2.0
NSTP 12r	RESERVE OFFICERS TRAINING CORPS (ROTC)	1.00	3.0
First Semester, SY 2012-2013			
Botn 21	FUNDAMENTALS OF BOTANY	1.75	5.0
Chem 21	GENERAL CHEMISTRY II	2.25	3.0
CSci 21	INFORMATION & COMM. TECH.: CONCEPTS & SKILLS	1.75	3.0
Engl 21	INTRODUCTION TO LITERATURE	1.25	3.0
Phys 11	GENERAL PHYSICS	2.75	4.0
Zoot 111	PRINCIPLES OF ANIMAL PRODUCTION	2.50	3.0
PhEd 13	TEAM SPORTS	1.00	2.0
Second Semester, SY 2012-2013			
Chem 31a	BIOCHEMISTRY LABORATORY	1.50	2.0
Chem 31	GENERAL BIOCHEMISTRY	1.75	3.0
Huma 11	INTRODUCTION TO HUMANITIES	1.00	3.0
Phil 11	INTRODUCTION TO PHILOSOPHY AND ETHICS	1.75	3.0
ScSc 14	PHIL. SOCIAL PROBLEMS, LAND REFORM & TAXATION	1.25	3.0
ScSc 16	LIFE AND WORKS OF RIZAL	1.25	3.0
Spch 11	SPEECH COMMUNICATION	2.25	3.0
Zoot 113	ANIMAL BREEDING	2.50	3.0
PhyEd14	INDIVIDUAL-DUAL SPORTS	1.25	2.0
First Semester, SY 2013-2014			
VMed 101	VETERINARY ANATOMY I	2.25	4.0
VMed 103	EMBRYOLOGY	INC	3.00 3.0
VMed 111	ANIMAL PHYSIOLOGY I	1.75	4.0
VMed 131	VETERINARY ENTOMOLOGY & PROTOZOOLOGY	2.00	4.0
VMed 141	VETERINARY MICROBIOLOGY	2.50	4.0
Zoot 115	LABORATORY ANIMAL PRODUCTION & MGT.	INC	3.00 2.0

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Doctor of Veterinary Medicine (DVM)

Course	Descriptive Title	Grade	Credit
Second Semester, SY 2013-2014			
VMed 102	VETERINARY ANATOMY II	2.25	4.0
VMed 104	HISTOLOGY	3.00	4.0
VMed 112	ANIMAL PHYSIOLOGY II	3.00	4.0
VMed 132	VETERINARY HELMINTHOLOGY	2.00	4.0
VMed 142	VETERINARY MICROBIOLOGY II	2.75	3.0
VMed 144	IMMUNOLOGY	2.25	2.0
First Semester, SY 2014-2015			
VMed 113	REPRODUCTIVE PHYSIOLOGY	2.75	3.0
VMed 121	ELEMENTARY PHARMACOLOGY	2.50	4.0
VMed 143	VETERINARY VIROLOGY	2.25	3.0
VMed 151	GENERAL PATHOLOGY	INC	-
Zoot 121	POULTRY MANAGEMENT	2.75	3.0
Zoot 131	RUMINANT PRODUCTION	2.25	3.0
Second Semester, SY 2014-2015			
VMed 122	VETERINARY PHARMACOLOGY	2.50	4.0
VMed 151	GENERAL PATHOLOGY	2.00	4.0
VMed 171	INTRODUCTION TO VETERINARY MEDICINE	2.25	3.0
VMed 198	RESEARCH PLANNING AND MANUSCRIPT PREP.	INC	3.00 3.0
Zoot 112	SWINE MANAGEMENT	2.25	3.0
Zoot 132	EQUINE PRODUCTION AND HEALTH	2.25	3.0
Zoot 144	ANIMAL NUTRITION & FEEDING MGT.	2.00	3.0
Summer 2015			
VMed 195	PRACTICUM	S	In Progress
First Semester, SY 2015-2016			
VMed 145	EPIDEMIOLOGY	INC	3.00 3.0
VMed 147	FOOD HYGIENE AND PUBLIC HEALTH	2.25	4.0
VMed 153	SYSTEMIC PATHOLOGY	2.25	4.0
VMed 161	SURGERY I	1.25	3.0
VMed 163	RADIOLOGY	2.50	2.0
VMed 164	VETERINARY OBSTETRICS	2.25	3.0
Second Semester, SY 2015-2016			
VMed 148	ZOONOSES	2.25	2.0
VMed 152	CLINICAL PATHOLOGY	3.00	3.0
VMed 166	SURGERY II	2.25	4.0
VMed 172	RUMINANT & EQUINE MEDICINE	2.75	4.0
VMed 174	POULTRY AND SWINE MEDICINE	2.25	4.0
VMed 177	WILDLIFE AND FISH MEDICINE	3.00	2.0
VMed 182	CLINICAL ORIENTATION I	2.00	2.0
VMed 200	UNDERGRADUATE THESIS	S	In Progress

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11-1-01002 : **Lumain, John Philip Lou Machica**

Doctor of Veterinary Medicine (DVM)

Course	Descriptive Title	Grade	Credit
Summer 2016			
VMed 183	CLINICS I (INTERNSHIP)	1.25	6.0
First Semester, SY 2016-2017			
VMed 155	SPECIAL PATHOLOGY	3.00	2.0
VMed 167	SURGERY IIII	2.25	3.0
VMed 175	SMALL ANIMAL MEDICINE	2.00	4.0
VMed 179	JURISPRUDENCE, ETHICS & ECONOMICS	1.50	2.0
VMed 185	CLINICS II (INTERNSHIP)	1.50	6.0
VMed 187	CLINICO-PATHOLOGICAL CONFERENCE	1.75	2.0
VMed 199	UNDERGRADUATE SEMINAR	INC	2.00 1.0
VMed 200	UNDERGRADUATE THESIS	S	In Progress
Second Semester, SY 2016-2017			
VMed 188	CLINICS III (Field Experience)	1.50	14.0
VMed 195	PRACTICUM	1.50	3.0
VMed 200	UNDERGRADUATE THESIS	1.50	6.0
THESIS:	PREVALENCE OF <i>Fasciola</i> spp. AND <i>Paramphistomum</i> spp. INFECTION IN CARABAOS (<i>Bubalus bubalis carabanensis</i> Castillo) SLAUGHTERED IN ORMOC CITY ABATTOIR		

Graduated on June 14, 2017 with the degree of Doctor of Veterinary Medicine (DVM)
as per VSU Board of Regents Resolution No. 17, s. 2017 dated April 27, 2017.

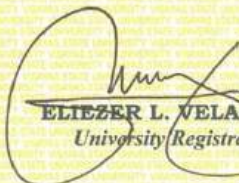
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REMARKS : FOR STUDY ABROAD

DATE ISSUED : JULY 13, 2018

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