



# VISAYAS

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 53 565 0600 local 1010  
Email: registrar@vsu.edu.ph  
Website: www.vsu.edu.ph

### OFFICIAL TRANSCRIPT OF RECORDS

#### PERSONAL DATA

**Student Name** : CASTAÑEROS, JANMARK POJADAS  
**Student Number** : 16-1-00073  
**Date of Birth** : March 02, 1998  
**Place of Birth** : C.M. Recto St., Baybay, Leyte  
**Sex** : Male  
**Religion** : Seventh Day Adventist  
**Citizenship** : Filipino  
**Parent/Spouse** : Mr. & Mrs. Jorge Castañeros  
**Address** : Brgy. Gregorio Loreto Sr., Zone 18, Baybay City, Leyte  
**Guardian** :  
**Address** :



#### PRELIMINARY EDUCATION

**Elementary** : Baybay I Central School  
A. Bonifacio St., Baybay City, Leyte **Year** : 2010  
**High School** : Baybay National High School  
Baybay City, Leyte **Year** : 2014  
**Entrance Credential** : Form 138  
Baybay National High School  
Baybay City, Leyte

#### GRADING SYSTEM:

NUMERICAL RATING	ADJECTIVAL RATING	EQUIVALENT ALPHABETIC RATING
1.00	Excellent	A
1.25	Highly Outstanding	A+
1.50	Outstanding	A-
1.75	Very Good	B
2.00	Good	B+
2.25	Very Satisfactory	B-
2.50	Satisfactory	C
2.75	Fair	C+
3.00	Passing	C-
5.00	Failure	F
S - Satisfactory	Inc - Incomplete	
U - Unsatisfactory	DR - Dropped	
Au - Audit (No credit)		

One unit of credit is one hour lecture or recitation or three hours of laboratory work, drafting or shop work each week for the period of a complete semester.

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.

Note: This transcript is considered original when it bears the seal of the University and the original signature of the University Registrar. Any erasure or alteration made on this copy renders the whole transcript invalid.

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MARWEN A. CASTAÑEDA  
University Registrar



**Vision:** A globally competitive university for science, technology, and environmental conservation.  
**Mission:** Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

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16-1-00073: **CASTAÑEROS, JANMARK POJADAS**  
: Bachelor of Science in Agricultural and Biosystems  
Engineering (BSABE)

Course No.	Descriptive Title	Grade	Credit
First Semester, SY 2016 - 2017			
CSci 21	INFORMATION and COMMUNICATION TECHNOLOGY: CONCEPTS & SKILLS	2.25	3.0
Engl 11	STUDY and THINKING SKILLS	1.75	3.0
ESci 122	ENGINEERING GRAPHICS 1	2.50	3.0
Math 11	COLLEGE ALGEBRA	2.75	3.0
Psyc 11	GENERAL PSYCHOLOGY	1.50	3.0
Soci 11	SOCIETY AND CULTURE (with Family Planning)	2.25	3.0
NSTP 11r	RESERVE OFFICERS TRAINING CORPS (ROTC)	2.00	3.0
	Serial No. : LE-R17-000511		
PhEd 11	PHYSICAL FITNESS AND GYMNASTICS	2.25	2.0
Second Semester, SY 2016 - 2017			
CEng 112	BUILDING DESIGN I	2.00	3.0
Chem 11	GENERAL CHEMISTRY I	2.25	4.0
Engl 12	WRITING IN THE DISCIPLINE	2.00	3.0
ESci 124	SAFETY MANAGEMENT	2.00	1.0
Math 103	ADVANCED ALGEBRA	5.00	NONE
Math 15	PLANE AND SPHERICAL TRIGONOMETRY	5.00	NONE
Phil 11	INTRODUCTION TO PHILOSOPHY AND ETHICS	1.25	3.0
NSTP 12r	RESERVE OFFICERS TRAINING CORPS (ROTC)	1.50	3.0
	Serial No. : LE-R17-000511		
PhEd 12	RECREATIONAL GAMES, RHYTHMIC ACTIVITIES & DANCE	1.25	2.0
Summer, SY 2016 - 2017			
CEng 113	BUILDING DESIGN II	2.50	3.0
Math 15	PLANE AND SPHERICAL TRIGONOMETRY	3.00	3.0
First Semester, SY 2017 - 2018			
Econ 11	GENERAL ECONOMICS WITH LAND REFORM & TAXATION	1.75	3.0
ESci 131c	ENGINEERING GRAPHICS 2 (AUTOCAD)	2.75	2.0
GEng 111c	GENERAL SURVEYING I	5.00	NONE
Huma 11	INTRODUCTION TO HUMANITIES	3.00	3.0
Math 18	SOLID MENSURATION	5.00	NONE
Math 23	ANALYTIC GEOMETRY	3.00	3.0
Phys 13e	COLLEGE PHYSICS I	1.75	4.0
PhEd 13	TEAM SPORTS	1.00	2.0
Second Semester, SY 2017 - 2018			
CEng 122	BUILDING DESIGN III	2.50	3.0
Fili 11	KOMUNIKASYON SA AKADEMIKONG FILIPINO	2.00	3.0
GEng 111c	GENERAL SURVEYING I	3.00	4.0
Math 103a	ADVANCED ALGEBRA	3.00	3.0
Math 122	DIFFERENTIAL CALCULUS	5.00	NONE
Math 18	SOLID MENSURATION	2.00	2.0
Phys 16	COLLEGE PHYSICS IIa	2.75	4.0
PhEd 14	INDIVIDUAL-DUAL SPORTS	1.00	2.0

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Engineering (BSABE)

Course No.	Descriptive Title	Grade	Credit
Summer, SY 2017 - 2018			
Math 122	DIFFERENTIAL CALCULUS	5.00	NONE
First Semester, SY 2018 - 2019			
ESci 126	ELECTRONICS & ELECTRICAL ENGINEERING	2.50	3.0
ESci 143	ENGINEERING MANAGEMENT	2.00	3.0
Fili 12	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	1.25	3.0
GEng 112c	GENERAL SURVEYING II	3.00	4.0
GEng 135	GEOGRAPHIC INFORMATION SYSTEM	-	-
Math 122e	(for ENGINEERING) DIFFERENTIAL CALCULUS	3.00	4.0
ScSc 15	PHILIPPINE HISTORY	2.25	3.0
Second Semester, SY 2018 - 2019			
CEng 142	BASIC MECHANICAL ENGINEERING	3.00	3.0
CS 134e	PRINCIPLES OF COMPUTER PROGRAMMING	3.00	3.0
Engl 21	INTRODUCTION TO LITERATURE	1.50	3.0
ESci 134	FLUID MECHANICS	5.00	NONE
ESci 142	STRENGTH OF MATERIALS	3.00	3.0
Math 123e	INTEGRAL CALCULUS(Engineering)	5.00	NONE
Stat 21	ELEMENTARY STATISTICS	2.25	3.0
Summer, SY 2018 - 2019			
GEng 133	CONSTRUCTION & INDUSTRIAL SURVEY	3.00	3.0
Math 123e	INTEGRAL CALCULUS(Engineering)	3.00	4.0
First Semester, SY 2019 - 2020			
ABEn 131	INTRODUCTION TO AGRICULTURAL BIOSYSTEMS ENGINEERING	2.25	1.0
AnSc 22	PRINCIPLES OF ANIMAL PRODUCTION	3.00	3.0
CpSc 21	PRINCIPLES OF CROP PRODUCTION	1.75	3.0
Entr 11	THE ENTREPRENEURIAL MIND	2.25	3.0
ESci 123	STATIC OF RIGID BODIES/ENGINEERING MECHANICS I	3.00	3.0
ESci 135	THERMODYNAMICS AND HEAT TRANSFER	2.75	5.0
ScTS 11	SCIENCE, TECHNOLOGY AND SOCIETY	2.00	3.0
Second Semester, SY 2019 - 2020			
ABEn 132	MATERIALS AND PROCESSES FOR AGRICULTURAL BIOSYSTEMS ENGINEERING	2.25	3.0
ABEn 184	ABE AND RELATED LAWS, SPECIFICATIONS, CONTRACS & PROFESSIONAL ETHICS	2.50	1.0
Envi 11	ENVIRONMENTAL SCIENCE	DR	-
ESci 116n	DIFFERENTIAL EQUATIONS	DR	-
ESci 124n	DYNAMICS OF RIGID BODIES/ENGINEERING MECHANICS 2	3.00	3.0
ESci 134n	FLUID MECHANICS	2.75	3.0
ScSc 16	LIFE AND WORKS OF RIZAL	1.75	3.0
Soil 22	PRINCIPLES OF SOIL SCIENCE	2.00	3.0

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*M. A. Castañeda*  
**MARWEN A. CASTAÑEDA**  
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Course No.	Descriptive Title	Grade	Credit
First Semester, SY 2020 - 2021			
ABEn 141	AGRICULTURAL AND BIOSYSTEMS POWER ENGINEERING	1.75	3.0
ABEn 145	HYDROMETEOROLOGY	2.00	3.0
ABEn 147	PROPERTIES OF AGRICULTURAL AND BIOSYSTEMS MATERIALS	2.25	3.0
ESci 117a	ENGINEERING DATA ANALYSIS (bsabe)	2.50	3.0
ESci 131n	ENGINEERING ECONOMY	1.00	3.0
ESci 132a	MECHANICS OF DEFORMABLE BODIES/STENGTH OF MATERIALS (bsabe)	3.00	4.0
Second Semester, SY 2020 - 2021			
ABEn 144	AGRICULTURAL AND BIOSYSTEMS STRUCTURES ENGINEERING	1.50	3.0
ABEn 152	AGRICULTURAL AND BIOSYSTEMS MACHINERY AND MECHANIZATION	2.75	3.0
ABEn 154	AGRICULTURAL AND BIOSYSTEMS ELECTRIFICATION AND CONTROL SYSTEMS	1.75	3.0
ABEn 156	IRRIGATION AND DRAINAGE ENGINEERING	INC 1.75	3.0
ABEn 158	AGRICULTURAL AND BIOSYSTEMS PRODUCTS PROCESSING AND STORAGE	2.50	3.0
ABEn 200.1	UNDERGRADUATE THESIS I: PROPOSAL PREPARATION	2.00	1.0
ESci 116n	DIFFERENTIAL EQUATIONS	1.75	3.0
ESci 137n	TECHNOPRENEURSHIP 101	2.00	3.0
ESci 138	COMPUTER APPLICATIONS IN ENGINEERING	1.75	3.0
First Semester, SY 2021 - 2022			
ABEn 161	MACHINE DESIGN FOR AB PRODUCTION	2.50	3.0
ABEn 163	PLANT AND LIVESTOCK SYSTEMS AND ENVIRONMENTAL CONTROL ENGINEERING	1.50	3.0
ABEn 165	AQUACULTURE ENGINEERING	3.00	3.0
ABEn 167	FOOD PROCESS ENGINEERING	2.75	3.0
ABEn 199	UNDERGRADUATE SEMINAR	1.25	1.0
ABEn 200.2	UNDERGRADUATE THESIS II - CONDUCT OF EXPERIMENTS	S	IN PROGRESS
ABEn 200a	INDUSTRY IMMERSION	1.50	3.0
ABEn 200b	TECHNICAL WRITING AND PRESENTATION	1.75	1.0
Math 11n	MATHEMATICS IN THE MODERN WORLD	1.50	3.0
ScSc 13n	THE CONTEMPORARY WORLD	1.75	3.0
Second Semester, SY 2021 - 2022			
ABEn 172	RENEWABLE ENERGY FOR AB APPLICATIONS	2.50	3.0
ABEn 174	AB WASTE MANAGEMENT ENGINEERING	2.25	3.0
ABEn 176	LAND & WATER CONSERVATION ENGINEERING	3.00	3.0
ABEn 178	DESIGN AND MANAGEMENT OF AB PROCESSING SYSTEMS	1.50	3.0
ABEn 200.3	UNDERGRADUATE THESIS III - MANUSCRIPT PREPARATION AND THESIS DEFENSE	1.50	5.0
ESci 115a	CHEMISTRY FOR ENGINEERS (Lecture)	2.50	3.0
ESci 115b	CHEMISTRY FOR ENGINEERS (Laboratory)	1.75	1.0

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Course No.	Descriptive Title	Grade	Credit
THESIS:	DETERMINATION OF AGRICULTURAL MECHANIZATION LEVEL FOR SWEET POTATO ( <i>Ipomoea batatas</i> L.) PRODUCTION SYSTEM IN BAYBAY CITY, LEYTE, PHILIPPINES, USING THE MODIFIED AGRICULTURAL MECHANIZATION INDEX		

Graduated on August 12, 2022 with the degree of Bachelor of Science in Agricultural and Biosystems Engineering (BSABE) as per VSU Board of Regents Resolution No. 64, s. 2022 dated August 3, 2022.

Doc Stamp Paid: P30.00

REMARKS : FOR EMPLOYMENT

DATE ISSUED: February 16, 2023

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