

Hochschule für Technik Stuttgart



The Examination Board of the University has conferred on

Ms Diana Christa Gamutan

who successfully completed the studies and passed the examinations required thereof the Degree of

Master of Science

(M.Sc.)

with all the rights and honours appertaining thereto.

Awarded at the Hochschule für Technik Stuttgart, University of Applied Sciences, Germany,
March, 20th 2017



Prof. Rainer Franke
President

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TERESITA I. QUINANO

SUPERVISOR ADMINISTRATIVE OFFICE

Hochschule für Technik Stuttgart



Grades for Modules and Master's Thesis,
Ms Diana Christa Gamutan, born 30/08/1986 in Anahawan, S. Leyte.

Master Thesis	Very Good	1,3
GIS	Good	2,0
Photogrammetry and Remote Sensing	Satisfactory	2,7
Geostatistics and Surface Modelling	Good	2,0
Scientific Skills and Media Competence	Good	1,7
Planning, Organisation and Management	Good	1,7
Advanced Topics in Photogrammetry and Remote Sensing	Good	2,0
Geodata: Capture, Sources and Standards	Satisfactory	2,7
Customisation, Internet GIS, Visualisation	Good	1,7
Research Seminar	Very Good	1,3

Stuttgart,
March, 20th 2017



Annette Graf
Registrar

CERTIFIED PHOTOCOPY OF THE ORIGINAL.

TERESITA L. QUINOLA
SUPERVISING ADMINISTRATIVE OFFICER

Hochschule für Technik Stuttgart



Master's Degree Certificate

In recognition of the successful completion of the study programme on 23/02/2017 the Faculty of Geomatics, Computer Science and Mathematics honours the achievements of

Ms Diana Christa Gamutan

(born 30/08/1986 in Anahawan, S. Leyte)

in the Master's Degree programme in **Photogrammetry and Geoinformatics** with the overall mark of

Good (1,8)

Title of the Master's Thesis: **Flood Simulations of Binahaan River
for Different Climate Change Scenarios**

Awarded at Stuttgart on March, 20th 2017
Hochschule für Technik Stuttgart
University of Applied Sciences

Prof. Rainer Franke
President



Prof. Dr. Peter Heusch
Dean

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TERESITA QUINOLA
SUPERVISOR ADMINISTRATIVE DESIGN



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 : GAMUTAN, DIANA CHRISTA DURAN
 Student Number : 03-1-00179
 Date of Birth : August 30, 1986
 Place of Birth : Anahawan, Southern Leyte
 Sex : Female
 Religion : Roman Catholic
 Citizenship : Filipino
 ACR No. :
 Parent/Spouse : Nestor Joel I. Gamutan
 Address : 347 B. Tero St., Tagup-on, Anahawan,
 Southern Leyte
 Tel. No :
 Guardian :
 Address :
 Tel. No. :



PRELIMINARY EDUCATION

Elementary : Anahawan Elementary School Year: 1999
 Anahawan, Southern Leyte
 High School : Anahawan National Vocational School Year: 2003
 Anahawan, Southern Leyte

Entrance Credential : Form 138: Anahawan National Vocational School
 Anahawan, Southern Leyte

GRADING SYSTEM

RATING	EQUIVALENT	INDICATION
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

U - Unsatisfactory

Au - Audit (No credit)

Inc - Incomplete

Drp - Dropped

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.

VISAYAS STATE UNIVERSITY

Visca, Baybay City, Leyte

Office of the University Registrar

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ELIEZER L. VEYARCO

Registrar II

LINDA N. MARISCAL
 University Registrar

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Name : Gamutan, Diana Christa Duran Student No.: 03-1-00179
Course : Bachelor of Science in Geodetic & Geomatics Engineering (BSGGE)

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

Course No	Descriptive Title	Grade	Credits
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First Semester, SY 2003-2004

CS 21	INTRO. TO COMPUTER SCIENCE	1.50	3.0
ENGL 11	COMMUNICATION SKILLS I	1.50	3.0
GENG111	GENERAL SURVEYING I	1.75	4.0
MATH 13	COLLEGE ALGEBRA & TRIGONOMETRY	2.50	5.0
PSYC 11	GENERAL PSYCHOLOGY	1.50	3.0
SOCI 11	GENERAL SOCIOLOGY	1.50	3.0
NSTP 11c	CIVIC WELFARE TRAINING SERVICE(CWTS)	2.00	3.0
PHYED11	PHYSICAL FITNESS AND GYMNASTICS	1.50	2.0

Second Semester, SY 2003-2004

AE 122n	ENGINEERING GRAPHICS I	2.00	3.0
CHEM 11	GENERAL CHEMISTRY I	Inc. 1.75	4.0
ENGL 12	COMMUNICATION SKILLS II	1.25	3.0
GENG112	GENERAL SURVEYING II	2.00	4.0
MATH112	ANALYTIC GEOMETRY & CALCULUS I	3.00	5.0
SCSC 13	SOCIO-ECONOMIC SYSTEMS	1.50	3.0
NSTP 12c	CIVIC WELFARE TRAINING SERVICE(CWTS)	2.00	3.0
PHYED12	REC.GAMES,RHYTMIC ACT. AND DANCE	1.25	2.0

First Semester, SY 2004-2005

AE 131n	ENGINEERING GRAPHICS II	1.50	2.0
GENG121	CARTOGRAPHY	2.25	3.0
MATH113	ANALYTIC GEOMETRY & CALCULUS II	Inc. 3.00	5.0
PHYS 11	GENERAL PHYSICS	2.00	4.0
SCSC 14	PHIL.SOC.PROBS., LAND REFORM & TAXN	1.00	3.0
SCSC 15	PHIL. HISTORY & CONSTITUTION	1.25	3.0
PHYED13	TEAM SPORTS	1.25	2.0

Second Semester, SY 2004-2005

GENG122	CADAstral SURVEYING	2.50	3.0
GENG124	MAP PROJECTION	3.00	3.0
MATH114	CALCULUS III & DIFF. EQUATIONS	2.50	5.0
PHILO12	CONTEMPORARY PHILOSOPHICAL THOUGHTS	1.50	3.0
PHYS 21	COLLEGE PHYSICS	2.25	3.0
STAT 21	ELEMENTARY STATISTICS	1.75	3.0
PHYED14	INDIVIDUAL/DUAL SPORTS	1.75	2.0

First Semester, SY 2005-2006

AE 126	ELECTRONICS & ELECTRICAL ENG'G.	Inc. 1.75	3.0
AE 133	ENGINEERING MECHANICS	3.00	5.0
FIL 11	SINING NG PAKIKIPAGTALASTASAN AT RETO	1.00	3.0
GENG131	ENG'G GEOLOGY & BIOGEOGRAPHY	1.50	3.0
GENG133	CONSTRUCTION & INDUSTRIAL SURVEY	2.50	3.0
GENG135	INTRO. TO GIS & DATABASE MGT	1.50	3.0

Second Semester, SY 2005-2006

AE 134	FLUID MECHANICS	2.25	4.0
AE 182	ENGINEERING ECONOMY	2.50	3.0

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Course : Bachelor of Science in Geodetic & Geomatics Engineering (BSGGE)

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

Course No	Descriptive Title	Grade	Credits
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Second Semester, SY 2005-2006

AE 142	STRENGTH OF MATERIALS	2.00	3.0
CS 134	COMPUTER PROGRAMMING	2.00	3.0
FIL 12	PANITIKANG FILIPINO	1.50	3.0
GENG132	ELEMENTARY GEOMATICS	2.50	3.0
GENG134	LAND TITLES & DEEDS	2.00	3.0

First Semester, SY 2006-2007

GENG141	GEOPHYSICAL GEODESY	1.75	5.0
GENG143	PHOTOGRAMMETRY I	1.75	3.0
GENG145	COMPUTATIONAL METHODS IN GEOMATICS	2.00	3.0
GENG147	GEODETIC LEVELING & HYDROGRAPHY	2.25	3.0
GENG149	MINE SURVEYING	3.00	2.0
SPCH 11	SPEECH COMMUNICATION	1.25	3.0

Second Semester, SY 2006-2007

ENGL 24	WRITING THE SCIENTIFIC PAPER	2.00	3.0
GEng142	GEODETIC ASTRONOMY	2.25	3.0
GEng144	PHOTOGRAMMETRY II	1.50	3.0
GEng146	GEOMATIC ENG'G. FOR SUSTAINABILITY	2.00	3.0
GEng148	LAWS ON NATURAL RESOURCES	1.75	3.0
HUM 11	INTRODUCTION TO HUMANITIES	1.00	3.0
SCSC 16	LIFE AND WORKS OF RIZAL	1.25	3.0

First Semester, SY 2007-2008

ENGL 21	INTRO TO LITERATURE	1.25	3.0
GEng151	SATELLITE GEODESY	2.25	3.0
GEng152	GEODETIC COMPUTATION & ADJUSTMENT	1.75	3.0
GEng153	PHOTO INTERPRETATION & REMOTE SENSING	2.00	3.0
GEng155	LAWS OF CONTRACTS & PROF. ETHICS	1.50	2.0
GEng157	LAND ADMIN. MANAGEMENT AND DEV.	1.25	2.0
GEng159	URBAN PLANNING AND DEV.	2.25	3.0
GEng199	UNDERGRADUATE SEMINAR	1.50	1.0

Second Semester, SY 2007-2008

GEng200a	FIELD PRACTICE	1.25	6.0
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Graduated on April 4, 2008 with the degree of Bachelor of Science in Geodetic and Geomatics Engineering (BSGGE) as per VSU Board of Regents Resolution No. 5, s. 2008 dated February 24, 2008.

ANY ENTRY BELOW THIS LINE IS NULL & VOID

FOR EMPLOYMENT

REMARKS: _____

Date Issued: APR 04 2008

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