

THESIS & DISSERTATIONS

sh
FAILURES AND THE PERCEPTIONS OF THEIR CAUSES AMONG
THE GENERAL ENGINEERING STUDENTS OF PABLO BORBON
MEMORIAL INSTITUTE OF TECHNOLOGY DURING THE
FIRST SEMESTER OF THE SCHOOL YEAR

1977-1978

T
21-078
+HEM
PFAI

A Thesis

Presented to

the Faculty of the Graduate School
Pablo Borbon Memorial Institute of Technology

In Partial Fulfillment
of the Requirements for the Degree
Master of Arts in Industrial Education

by

Paciano I. Manalo

January 1979

APPROVAL SHEET

This thesis entitled: Failures and the Perceptions of their Causes Among the General Engineering Students of Pablo Borbon Memorial Institute of Technology During the First Semester of the School Year 1977-1978, prepared and submitted by Paciano I. Manalo in partial fulfillment of the requirements for the degree of Master of Arts in Industrial Education has been examined and is recommended for acceptance and approval for Oral Examination.

Leoncina P. Sulit
LEONCIA P. SULIT, Ed. D.
Adviser

Panel of Examiners

Approved by the Committee on Oral Examination
with a grade of Passed.

OTILIA CAEDO, Ed.D.
Chairman

Carmen V. Gutierrez
CARMEN V. GUTIERREZ, Ed.D.
Member

Mariano Albayaalde
MARIANO ALBAYALDE, M.A.I.E.
Member

Accepted and approved in partial fulfillment of
the requirements for the degree of Master of Arts in
Industrial Education.

Comprehensive Examination passed: May 1978.

May 30, 1979

Leoncina P. Sulit
LEONCIA P. SULIT, Ed. D.
Head
Graduate School

TABLE OF CONTENTS

Chapter	Page
1. THE PROBLEM	1
Introduction	1
Statement of the Problem	3
Hypotheses	4
Importance of the Study	4
Scope and Limitation of Study	5
Definition of Terms	6
2. REVIEW OF RELATED LITERATURE	7
Local Research Literature	7
Foreign Research Literature	17
3. RESEARCH DESIGN, METHODS AND PROCEDURE	21
Research Design	21
Subjects of the Study	21
Sources of Data	22
Data-Gathering Procedure	23
Data Analysis Used	24
4. PRESENTATION, ANALYSIS AND INTER- PRETATION OF DATA	27
5. SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	91
Summary	91
Conclusions	96
Recommendations	97

TABLE OF CONTENTS (continued)

	Page
BIBLIOGRAPHY	100
APPENDIXES	
A. LETTER OF REQUEST	104
B. A CHECKLIST ON THE CAUSES OF FAILURES OF PBMIT	105
C. VERBAL DESCRIPTION OF <u>r</u>	109
D. SAMPLE COMPUTATION FOR FINDING PEARSON'S PRODUCT MOMENT COEFFICIENT OF CORRELATION (r) FROM A CORRELATION TABLE AND THE VALUE OF T	110
E. SAMPLE COMPUTATION: CHI SQUARE FOR YEAR LEVEL AND FACTOR OF FAILURE (LACK CONCENTRATION IN STUDYING)	115
VITAE	117

LIST OF TABLES

Table

Page

1.	Percentage of General Engineering Students with Failures in the First Semester of the School Year 1977-1978 Based on the Semestral Enrolment	28
2.	Failures in One Subject, in Two Subjects, in Three or More Subjects	33
3.	Failures in the First Year Subjects	34
4.	Failures in the Second Year Subjects	36
5.	Causes of Failures Due to Physical Factors	40
6.	Causes of Failures Due to Social Factors	42
7.	Causes of Failures Due to Emotional Factors	44
8.	Causes of Failures Due to Financial Factors	46
9.	Causes of Failures Due to Interest Motives	48
10.	Causes of Failures Due to Mastery of Basic Skills	50
11.	Causes of Failures Due to Study Habits	53
12.	Summary of Causes of Failures Due to the Students Themselves by Category	55
13.	Causes of Failures Due to the Students Themselves	58
14.	Causes of Failures Due to Instructional Functions	68
15.	Causes of Failures Due to the Instructors' Relation with the Students	73

LIST OF TABLE (continued)

Table	Page
16. Summary of the Causes of Failures Due to the Instructor by Category	76
17. Summary of the Causes of Failures Due to the Instructors	78
18. General Causes of Failures Reported by Majority of the Total Respondents	84
19. Total Chi-square Value of the Frequencies of the Thirteen Common Factors Computed for These Data	89

LIST OF FIGURES

Figure

Page

1. Enrolment in the General Engineering Course During the First Semester of School Year 1977-1978 30
2. Percentage of Failures in the General Engineering Course During the First Semester of School Year 1977-1978 31
3. Failures in One Subject, in Two Subjects, in Three or More Subjects . . . 32
4. Failures in the First Year Subjects 35
5. Failures in the Second Year Subjects . . . 37

ACKNOWLEDGMENT

The writer expresses his sincere thanks to those who willingly extended their assistance and encouragement in the preparation of this study;

Dr. Leoncia P. Sulit, Dean of Graduate School, Pablo Borbon Memorial Institute of Technology, for her valuable suggestions and guidance in the writing of this research;

Mr. Rosauero de Leon, President, PBMIT, for giving the writer his consent to this study;

Prof. Luz B. Amparo, Prof. Mercedes del Rosario and Mrs. Leticia T. Macalalad, friends and colleagues at PBMIT for their wonderful help and constructive comments to make this study more comprehensive;

Engr. Ernesto A. Saldua, Head, School of Engineering, the Engineering Instructors and Students for their moral support and wholehearted cooperation which made the collection of the needed data possible;

The personnel of the Registrar's office, PBMIT, for giving the writer access to the student's records used in this study; likewise to the librarians, Miss Rafaela Buenviaje of the Ministry of Education and Culture, and Mrs. Araceli H. Luna, PBMIT for the use of the library materials, and to Mrs. Mercedes A. Papasin, WPC, for typing the manuscript.

In the preparation and in the writing of this thesis, the researcher drew much of his strength from his children Maygleanne, Tessette, Enrico, Myla, Joy, and Lalaine and also from the very special gestures of affection accorded him by his wife, Engr. Luisita A. Manalo, to whom he humbly dedicated this piece of work.

P. I. M.