

**RELATIONSHIP OF HIGH SCHOOL PERFORMANCE AND COLLEGE  
ENTRANCE EXAMINATION TO ACADEMIC PERFORMANCE OF  
FIRST YEAR RADIOLOGIC TECHNOLOGY STUDENTS OF  
DLSU-AGUINALDO, DASHARINAS, CAVITE  
SCHOOL YEAR 1991-1992**

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A Thesis

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the Faculty of the Graduate School  
De La Salle University - Aginaldo  
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In Partial Fulfillment  
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Master of Arts in Education

by

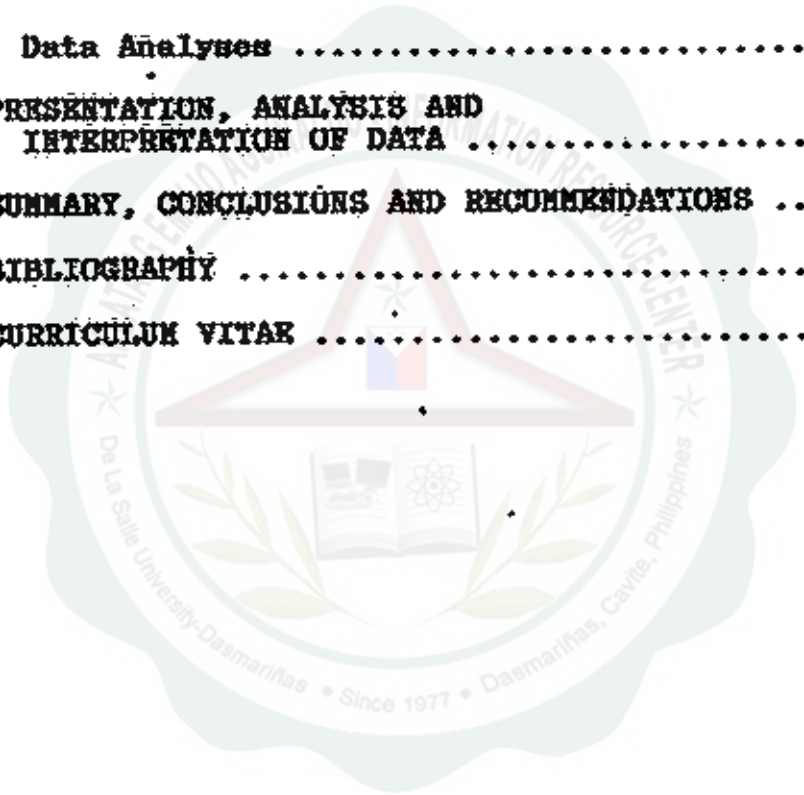
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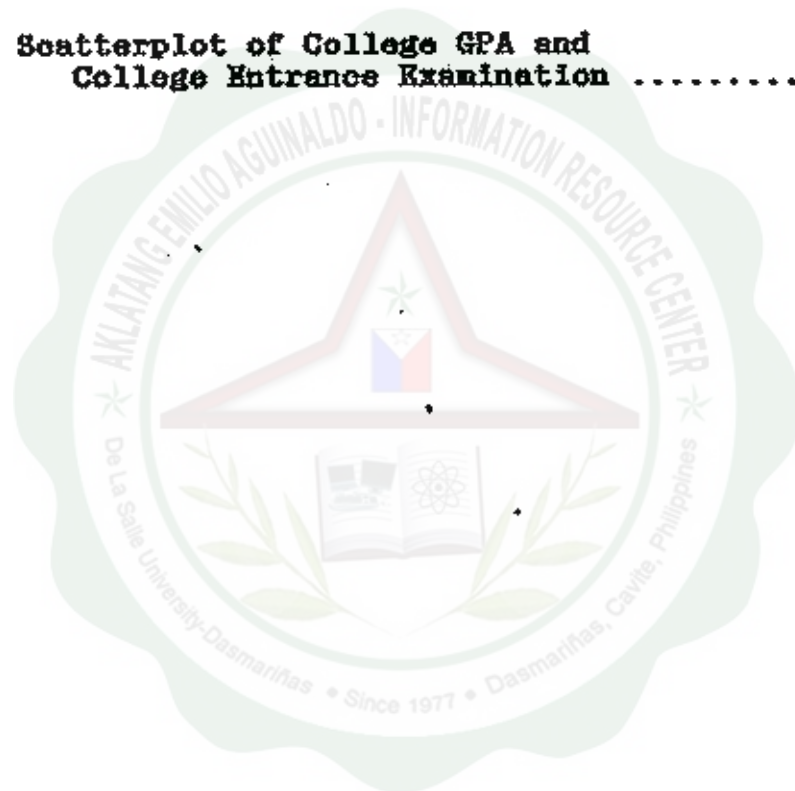


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**ABSTRACT**

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**Title of Thesis** : Relationship of High School Performance and College Entrance Examination to Academic Performance of First Year Radiologic Technology Students of DLSU-Aguinaldo, Dasmariñas, Cavite, School Year 1991-1992  
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**Objectives**

**General:**

To investigate the relationship of high school performance and college entrance examination to academic performance of first year Radiologic Technology Students of DLSU-Aguinaldo, Dasmariñas, Cavite.

**Specific:**

This aimed to:

1. Find out the performance in high school of the first year Radiologic Technology students of DLSU-Aguinaldo, 1991-1992.
2. Find out the performance in college entrance examination of respondents.
3. Determine the differences in high school performance when the respondents are grouped according to sex.

4. Determine the differences in performance in the college entrance examination when they are grouped according to sex.

5. Find out the academic performance of the respondents as indicated by their grade point average during their first year in college.

6. Determine the differences in academic performance when the respondents are grouped according to sex.

7. Determine the correlation between the high school grades and academic performance in college and between college entrance examination and college performance

8. Determine the correlation between academic performance in college and the weighted linear combination of high school grades and the college entrance examination.

### Methodology

#### Data Gathering:

SS: A sample population of 114 students which comprised 78 percent of the total population of 150 was used. The 36 students or 24 percent of the total population were not included since they dropped and/or transferred to other course/institution.

**Instruments:**

Documentary analysis of the performance rating of the first year Radiologic Technology students in the different subjects.

Mean was used to determine the average performance in high school, performance in college entrance examination and academic performance.

t-test of uncorrelated means was used to test the significance of the differences between two or more means obtained from independent sample.

Pearson Correlation was used to determine the relationship between two variables measured in at least on interval scale.

Multiple Correlation/Regression was used to find out the correlation between one dependent variable (Y) and the weighted sum of two independent variables ( $X_1$  and  $X_2$ ).

**Results**

1. The first year college students of DLSU-Aguinaldo, SY 1981-1982 had average performance in high school.

2. Based on the investigation, most of the first year students in the College of Radiologic Technology got passing mark in the college entrance examination.

3. Sex was found out not related to high school performance, performance in college entrance examination



and academic performance in college. Both female and male respondents had the same level of performances.

4. Based on the investigation, high school performance and performance in college entrance examination can both predict academic performance in college. High school performance is slightly a better predictor of academic performance in college than performance in the college entrance examination.

5. The correlation of the two variables high school performance and performance in college entrance examination with college academic performance was highly significant. Those who performed high in these two variables were also those who performed high academically in their first year college. Those who performed low in these two variables were also those who performed low in college.

6. There were increases in correlation when linear combinations on the predictors were used.

7. Multiple correlation was more useful in predicting college performance than using only one predictor.

#### Recommendations

1. The high school grade could be given higher weight in admitting students in the college of Radiologic Technology.

2. The performance in college entrance examination could be used as supplement to high school grades as bases

for admission in the College of Radiologic Technology since NCKE is not a requirement in the Associate of Radiologic Technology.

3. The administrators, guidance counselors, and teachers may use the results of this study in providing conditions favorable to teaching-learning aspects, improving and upgrading competencies, guiding student's performance in college, and in assessing student's performance carefully, especially on giving grades to students.

4. Similar researches may be made regarding the predictive validity of the HS-GPA and CKE scores and other criteria on admission in other colleges and universities to validate the generality of the findings of this data.

5. Other studies may be undertaken to enrich the present findings. The correlation of performance in college to IQ and non-intellective factors like age, sibling position, type of school, parents' occupation and parents' educational attainment could be investigated.