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*GEOGRAPHIC ACCESSIBILITY ANALYSIS
OF HOSPITAL FACILITIES
IN UPLAND, CAVITE*

SPECIAL PROBLEM

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**GEOGRAPHIC ACCESSIBILITY ANALYSIS
OF HOSPITAL FACILITIES
IN UPLAND CAVITE**

**Undergraduate Special Problem
Submitted to the Faculty of
Cavite State University
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**In partial fulfillment of the requirements for
the degree of Bachelor of Science in
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*Geographic accessibility analysis of
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ABSTRACT

LUI, RUBILYN A. and PEDRAZA, ARNOLD M. Accessibility Analysis of Hospital Facilities in Upland Cavite. Undergraduate Thesis. Bachelor of Science in Civil Engineering. Cavite State University, Indang Cavite. April 2006. Adviser: Engr. Allan Rowel V. Alonalon.

The study was conducted to: (1) evaluate the existing accessibility to hospital facilities using isochrones map; (2) identify the different factors affecting the accessibility to these facilities; (3) recommend appropriate sites for hospital facilities and transport project policies in order to improve the accessibility of the hospital facilities; (4) enhance the author's skills. Specially, it was intended to develop the accessibility of hospital facilities in Upland Cavite.

The authors used several methods in developing the accessibility such as gathering data for specification and conducted interviews. The respondents were the patients, students, professionals such as doctors and nurses, and those who have knowledge and concern for the accessibility of hospital facilities. The questionnaires used for the study to obtain the required data. It also used ArcView GIS Version 3.1 for plotting the map and Isochrone Map for showing the distances of every barangay centers.

After the plan was developed, it was shown to the respondents and was found successful in discussing and providing accurate information about accessibility in hospital facilities. Thus, the plan met the objectives it was intended for.

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GEOGRAPHIC ACCESSIBILITY ANALYSIS OF HOSPITAL FACILITIES IN UPLAND CAVITE ^{1/}

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INTRODUCTION

The most important variable that one must consider in the early stages of planning is the accessibility. Planners conduct accessibility analysis to maintain equity and better distribution of people and activities in the territory. This promotes the proper use of sources, space in development planning, human energy for the access of their needs and time spent in obtaining certain kinds of basic needs and services.

Accessibility is relative to planning policies. This is why factors such as population, road networks, and existing facilities are evaluated in accessibility studies. This study aims to assess one of the basic needs, which are health care, through evaluating the accessibility of existing hospitals in upland Cavite and propose sites where hospitals will be located for future use.

There are several methods for accessibility analysis but the author wishes to apply