

Teaching Strategies of AIMS Maritime Professors Under the Online Teaching Mode: A Best Practice Approach Using Three-Domain Theories

¹Nino Miguel Fabila, ¹Vincent Billoso, ¹Mark Andre Cortes, ¹Jhermin Francis Perez, ¹Nicole Sarmiento & ²Victor M. Cajala

Abstract

This study assessed the teaching strategies of AIMS maritime professors under the lens of three-domain teaching strategy theories: Behaviorism; Cognitivism; and, Social Constructivism. The relationship between the teaching strategies and the demographic profiles (age, years of teaching experience, and highest educational attainment) was also determined to identify factors that could affect the teaching strategies of the respondents. Using descriptive-correlation design, the study endeavored to describe the teaching strategies of AIMS maritime professors. Using complete enumeration as a sampling technique, it included 30 non-laboratory maritime professors. To gather the data, a researcher-made questionnaire was used. An online platform of the questionnaire was made through Google forms. The questionnaire was distributed to the professors after ensuring the permit via Microsoft Teams Software, FB messenger, or Google mails. To treat the data, the following statistical tools were used: percentage; weighted mean; and chi-square. Results indicated that the maritime professors highly utilized the Direct Instruction Strategy (M=4.41) under the Behaviorism Theory. This was followed by Flipped Instruction Strategy (M=3.96) under the Social Constructivism Theory; and, Chunking Instruction Strategy (M=3.93) under Cognitivism Theory. The chi-square result indicated no significant relationship between the teaching strategies and demographic profiles of the maritime professors.

Keywords: AIMS Maritime Professors, online teaching, teaching strategies, three-domain theories

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About the authors:

¹BSMT Student, Asian Institute of Maritime Studies ²Research Adviser, Asian Institute of Maritime Studies **This paper is a finalist in the International Research Competitions 2022, Category 2 Undergraduate*

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Introduction

During the Covid-19 pandemic, the abrupt transformation from face-to-face classes to online learning mode has created a problem in the teaching strategy of professors. Much to the effect created on learners, the situation has elicited deeper dilemma to professors who are used to delivering lessons in person. An inventory of available teaching strategies suited for online is therefore vital at this point in time. However, among the lists of teaching strategies, which can be considered as a best practice strategy and can be adopted for online learning? To meet the purpose of the study, the researchers assessed the teaching strategies of AIMS maritime professors under the lens of three-domain teaching strategy theories: Behaviorism; Cognitivism; and, Social Constructivism. The relationship between the teaching strategies and the demographic profiles (age, years of teaching experience, and highest educational attainment) was also determined to identify factors that could affect the teaching strategies of the respondents.

Methodology

Using descriptive-correlation research design, data were obtained from AIMS maritime professors (N=30) using a modified questionnaire anchored from the "List of Teaching Strategies with Theoretical Link" of Chris Drew (2019). An online version of the questionnaire (Google forms) was made for easy distribution via social media and email. Employing Statistical Package for Social Sciences (SPSS, version 20) in analyzing the data, statistical results were elicited using percentage, weighted mean, and chi-square.

Findings

Results indicated that the maritime professors highly utilized the Direct Instruction Strategy (M=4.41) under the Behaviorism Theory. This was followed by Flipped Instruction Strategy (M=3.96) under the Social Constructivism Theory; and, Chunking Instruction Strategy (M=3.93) under Cognitivism Theory. The chi-square result indicated no significant relationship between the teaching strategies and demographic profiles of the maritime professors.

Conclusion

The respondents have generally applied the three-domain teaching strategies in their online teaching with a distinct utilization of the Direct Instruction Strategy (Behaviorism Theory). Practical application of the results can be adopted to maximize the delivery of instructions. An assessment of student performance instructed under the three strategies is recommended to determine the effectiveness of the three-domain teaching strategies.

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