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JOHN B. LACSON FOUNDATION MARITIME UNIVERSITY-MOLO
Research Department

**THE ESSENTIALITY AND PRACTICABILITY OF THE ENGINE ROOM
SIMULATOR (ERS) COURSE ON BOARD A SHIP**

A Research Presented to the
Faculty Members of the College of Engineering
John B. Lacson Foundation Maritime University-Molo
Iloilo City

In Partial Fulfillment of the Requirements for the
Degree Bachelor of Science in
Marine Engineering (BS Mar-E)

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Abstract

This study determined to determine the essentiality and
practicability of the engine room simulator (ERS) course on
board among the marine engineering students of John B.
Lacson Foundation Maritime University-Molo, Iloilo City for
school year 2009-2010. Results revealed that ERS is very
essential on board ship because most of the ships were
computer-based operations. The functions of the different
machineries and equipment are all computerized. Furthermore,
the engine room simulator (ERS) is practicable on the
unmanned (UMS) vessels because of the advanced of the
technology. Troubleshootings and procedures on board are
based on computer technology especially electronics,
controls, hydraulics, and pneumatics.