



NUMERICAL MODELING OF AN INFLUENZA EPIDEMIC MODEL WITH
VACCINATION AND DIFFUSION

MISS DUSSADEE SOMJAIVANG

A THESIS SUBMITTED IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR
THE DEGREE OF MASTER OF SCIENCE (APPLIED MATHEMATICS)
DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE
KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI
2013

Numerical Modeling of an Influenza Epidemic Model with Vaccination and Diffusion

Miss Dussadee Somjaivang B.Sc. (Mathematics)

A Thesis Submitted in Partial Fulfillment of the Requirements
for the Degree of Master of Science (Applied Mathematics)
Department of Mathematics
Faculty of Science
King Mongkut's University of Technology Thonburi
2013

Thesis Committee

..... Chairman
(Assoc. Prof.Sanoe Koonprasert, Ph.D.)

..... Member and Thesis Advisor
(Assoc. Prof.Settapat Shinviriyasit, Ph.D.)

..... Member
(Lect. Teerapol Saleewong, Ph.D.)

..... Member
(Lect. Parinya Sa Ngiamsunthorn, Ph.D.)

Copyright reserved