

MATA9100
**Practical approaches to the application of
mathematical modelling in oncology: From model
investigation to data-driven model construction**

Larisse Bolton

2005003237

Submitted in fulfillment of the requirements in respect of the Doctoral Degree in
Applied Mathematics at the Department of Mathematics and Applied
Mathematics in the Faculty of Natural and Agricultural Sciences at the University
of the Free State.

Supervisor:
Prof. C. Hui
Professor of Mathematics
Department of Mathematical Sciences
Stellenbosch University
South African Research Chair in Mathematical and Theoretical Physical
Biosciences

Co-Supervisor:
Prof. T.M. Acho
Associate Professor of Mathematics (Applied Mathematics)
Department of Mathematics and Applied Mathematics
University of the Free State

Co-Supervisor:
Prof. D.K. Stones
Associate Professor/Principal Specialist: Paediatrics and Child Health
Department of Paediatrics and Child Health
University of the Free State
Universitas Academic Hospital