The goal of this project and the possible questions it seeks to answer are:
1. Formulate a model for TB with drug-sensitive and drug-resistant strains of TB.
2. How would your model be changed to include improved compliance with drug therapy?

Requirements: The student should have completed MATH2073 or MATH2074 course, with a minimum grade of C.

Expected Research Tasks: 1. Literature reviews; 2. Basic modeling using differential equations; 3. Programming using Matlab or Maple or R to do numerical simulations; 4. Writing a scientific report; 5. Presentation.

Training and Support: I will meet regularly (weekly or bi-weekly) with the student, to provide training and support for the Expected Research Tasks 1 through 5.