

University of Manitoba

Math 38200 – Winter 2011

Assignment 1 Project choice

Due Thursday, February 17th, 2011

Instructions

This assignment is due Thursday, February 17th. Note that I will not accept hand written documents. I accept file submissions (pdf is preferred in that case), up to midnight on the due date.

The objective here is to explain the topic you are going to choose for your project. This should be limited to a page.

- i) If you are using one of the suggested articles, indicate which one that is.
- ii) If you want to suggest a topic, indicate the topic.
- iii) Explain, in words, the topic:
 - a) give a short background introduction to the general area in which the topic is defined (one or two paragraphs)
 - b) specialize your discussion to the specific topic you have chosen: why is this topic interesting, etc.
- iv) Give a short explanation of the type of methods you will use, both for the mathematics and the numerical work.
- v) If you think of some data you might need or could have and would want to use, explain this.
- vi) List any major obstacles that you foresee, and in what way I or others could help you overcome these obstacles.

Note that this is not binding: if you explain, for example, that the model will use ODE's and that in the end, you end up using a discrete-time system, this is fine. It is, however, binding in terms of the topic you choose: once I have handed back this assignment, if I do not raise an objection to the topic and suggest a change, you will have to work on it and I will not allow switches.