
Applied Dynamical Systems Miniproject

The Miniproject is worth 30% of the mark for this 10 credit point unit and the Talk is worth 10%. So the total amount of time spent should be roughly 15 hours. As with any assessed work, you should be aware that there are penalties regarding plagiarism and/or late submission. In case of exceptional circumstances, you may request an extension **before** the deadline, using the usual documentation and procedure.

The main question for both report and talk is **Give a brief literature review, analytical and numerical investigation for a dynamical system of your choice.**

The report is due on April 19, 2018, and should be submitted to the lecturer in electronic form, including computer programmes; receipt will be acknowledged. Assessment criteria are based on those of more substantial projects, but with less emphasis on typesetting:

- Amount of work (guideline 2000 words, but it really depends on the difficulty of what has been attempted)
- Level of work (more is expected for systems considered in lectures)
- Correctness
- Literature should be cited correctly, using a consistent style as used in any mathematics journal. Where possible, primary literature is preferred (journal articles rather than text books).
- Coverage of all three areas: Literature, analytics and numerics.
- Coverage of the course - local and global features and bifurcations, symbolic and metric properties, applications. Not all of these are necessary depending on the system, but some effort at breadth should be made.

The talk will probably be held in the April 26 lecture slot. It should be 10 minutes. Assessment criteria are similar to undergraduate projects: Choice of material, clarity, delivery, visual aids, and overall impression.

Feedback on both the report and talk will be given within three weeks (ie normally May 10), and the final mark for the unit following the exam board in late June.