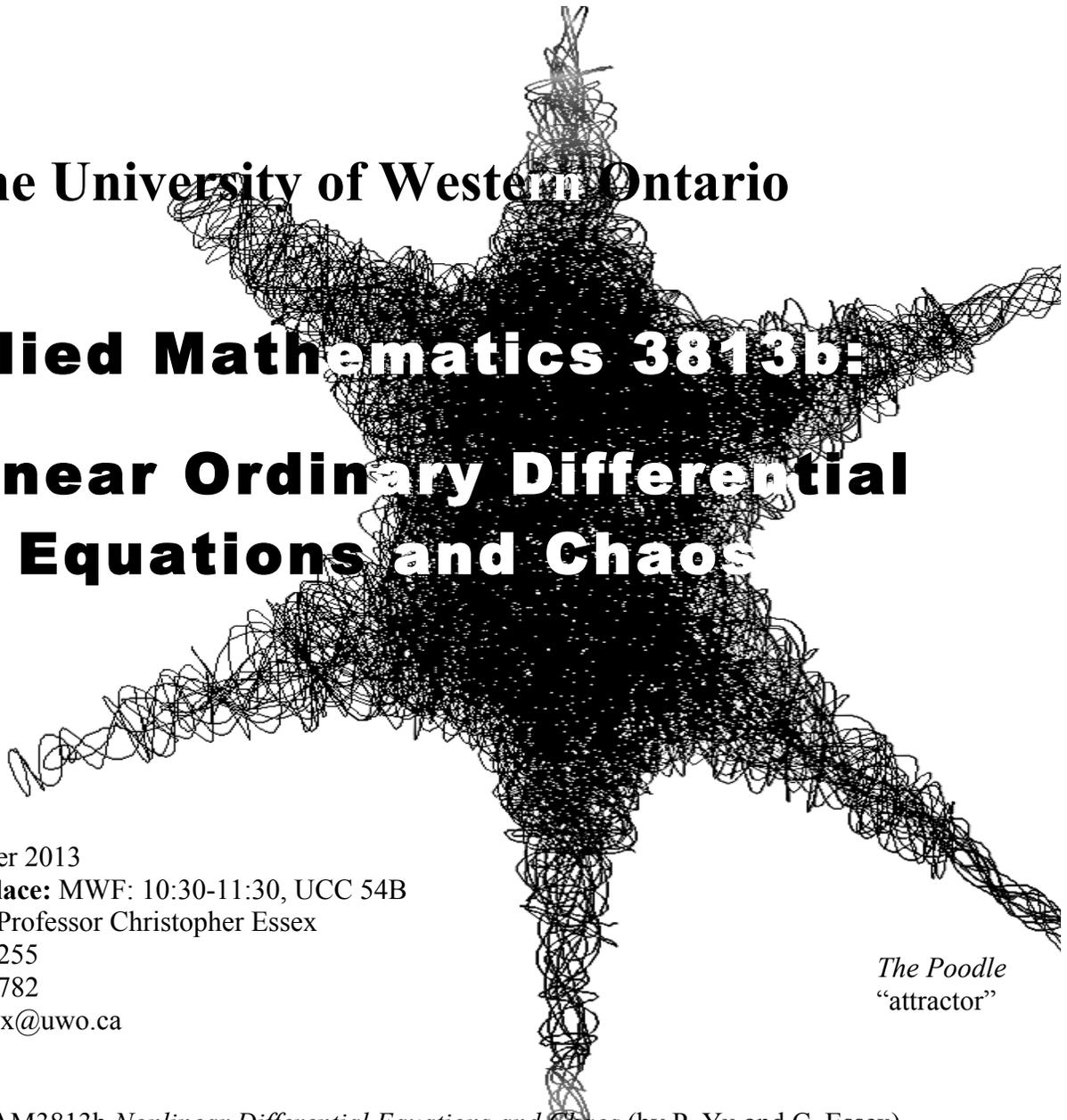# The University of Western Ontario

Applied Mathematics 3813b:

Nonlinear Ordinary Differential Equations and Chaos

The Poodle
"attractor"

Classes
- **Term:** Winter 2013
- **Time and Place:** MWF: 10:30-11:30, UCC 54B
- **Instructor:** Professor Christopher Essex
- **Office:** MC 255
- **Phone:** x 88782
- **E-mail:** essex@uwo.ca

Text
Course Notes: AM3813b *Nonlinear Differential Equations and Chaos* (by P. Yu and C. Essex), available on line in .pdf format. Full details available in class.

Course Evaluation
- **Homework:** Evaluations will be based on problems assigned in lectures. You have about one week to do them. The solutions will be posted, after they are due to be completed, on the web roughly one week after the problems are assigned.
- **Homework quizzes:** At least three quizzes will be given in class on days to be announced in class. Quizzes will be based on homework problems.
- **Examination:** The final examination is April ??, 2013, ??:00[†]. Some of the final examination will be taken from assigned problems. *All* material, up to the examination or test, will be considered testable.
- **Project:** (project handout to be provided in .pdf) Due by **Wednesday, April 10, 2013, in class.**
- **Weights**: Homework quizzes: 25%, Project: 15%, Final exam: 60%

[†] Date and time to be determined by the greater powers.

The UWO Senate Academic Handbook has specified that the following points should be added to all course outlines:

1. **Plagiarism:** Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western (Academic Calendar).
2. **Plagiarism Checking:** The University of Western Ontario uses software for plagiarism checking. Students may be required to submit their written work andprograms in electronic form for plagiarism checking.
3. **Prerequisites for a course:** Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you will be removedfrom this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.
4. **If computer-marked multiple-choice tests and/or exams are given:** Use may be made of software to check for unusual coincidences in answer patterns that may indicate cheating.