

MAU11002 Mathematics

Sinéad Ryan
Room 245 Lloyd Building
Email: ryan@maths.tcd.ie

Some important and useful information

- 1-semester 10ECTS module: taught by Prof Alberto Ramos and SR in Mathematics and the Statistics Department.
- My part: 1 lecture/week:
 - Monday, 12pm (McNeil)
 - Weekly tutorial - check timetables for day/time/place
- Course webpage at <http://www.maths.tcd.ie/~ryan/MA1M01.html>
There you will find a synopsis of lectures, tutorial problem sheets and solutions, past exams and solutions and any handouts from lectures.
- Tutorials weekly. Watch notice boards for details. Tutorials will start next week - week 2 of teaching term.
- Marked on attendance.
- Textbook: Biocalculus: Calculus, Probability and Statistics for the Life Sciences by Stewart and Day Published by Cengage Learning.

Course Outline

Linear Algebra, including

- Matrices: definition, properties, addition (subtraction) and multiplication.
- Solving systems of linear equations
- Matrix inverses and determinants, eigenvalues and eigenvectors
- Applications in e.g. population growth