**MathSys MSc timetable 2019/2020**

**Three core modules: 15CATS each**
Data Analysis and Machine Learning
Networks & random processes
Numerical methods

**One core module**
Fundamentals of Mathematica Modelling

**Two/Three optional modules**
Computational Methods for Complex Systems
Topics in Mathematical Modelling
Population Dynamics: Ecology and Epidemiology
Algorithmic Game Theory
Data Mining
Practical algorithms and data structures
Game theory
Mathematical challenges in cancer

**Study group projects: 40CATS**
From mid-March to mid June
Choice of four projects

**Study group projects: 50CATS**
Individual research project with academic or external partner.
written 70% & presentation 30%

**Other events**
Introduction to computing (week 0)
Responsible Research and Innovation (week 1)
Weekly MSc student meetings
Computational Techniques (term 1)
Seminar Series (throughout year)
Transferable skills (throughout year)

**Term 1**
Sept 2019 - Jan 2020

**Term 2**
Jan 2020 - June 2020

**Term 3 and Summer**
June 2020 - Sept 2020

- Annual retreat: May 2020
- Exam board & PhD project approvals