

# MAST30001 Stochastic Modelling – Course Information

## Lecturer

Dr. Nathan Ross

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## Lecture Times

M 2:15-3:15, Tu 3:15-4:15, F 2:15-3:15 in Zoom (see link on LMS)

## Consultation

1 hour following lectures

## Lectures

The lecture slides are available through the LMS subject site. The lectures will follow the material in the lecture slides but will also include extra material, such as hand-worked examples and proofs. Lectures will be recorded and posted to the LMS under Lecture Capture.

## Tutorials

Students can find information about the time of their tutorials via the Student Portal. Tutorials will be held in Zoom (see links on LMS). On Tuesday of each week, the tutorial questions for the following week will be posted on LMS. Typically there is not enough time to do every problem during the tutorial, so it is a good idea to work on the problems beforehand to identify those that you have questions about. Solutions will be posted at the end of the week. Tutorials are a good opportunity to discuss details of concepts and ask questions about the lectures. Tutorials will not be recorded.

## Assignments

Assignment problems will be made available on LMS in Weeks 6 and 11. Students will be required to submit their solutions to the assignment to Gradescope by 5pm on Thursday of Weeks 7 and 12. Assignment solutions will be provided after the due date.

## Plagiarism

All students are required to read and agree to the online plagiarism declaration available via the LMS. You may consult with others regarding homework solutions, but must write your own solutions. Any further level of collaboration in the course (such as copying a solution) constitutes cheating and is strictly prohibited.

## Textbook

There is no required text for the subject, but the text listed in the handbook is

K. Borovkov *Elements of Stochastic Modelling*,

which covers most of the material in the subject. A supplementary text available as a PDF on the LMS which is good for extra problems and perspective is

S. Ross *Introduction to Probability Models* (3rd edition).

A PDF of this text is available on the LMS.

## Assessment

80% Exam (3 hours)

20% Assignments

## **General Remarks**

All the resources and information for the course can be accessed through the LMS, in particular, announcements will be made through the LMS. Due to the number of students in the course, it's important to manage the communication between the students and lecturer. If you have a question or issue, please try to first discuss it in person in tutorial, consultation, or after lecture in consultation. It is extremely important that you keep up on the tutorial problems and assignments; it not only affects your grade directly, but also largely determines your success on the exam (historically, there is a high correlation between assignment mark and final mark).