

# MA771 - Discrete Dynamical Systems - Spring 2017

## Lecturer

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## Class Details

Day	Time	Room
MWF	11:15-12:05	MCS B23

## Grading

Graded Item	Weighting	Date
Homework	100%	Assigned approximately every 2 weeks

## Textbook and topics covered

The main book we will use is “Dynamical Systems” by Luis Barreira and Claudia Valls. An electronic version is available for free from the BU library. See the link on the course webpage. There you can also find a list of other books that you might find useful.

The basic plan for the course is: **0) Introduction; i) Topological Dynamics; ii) Low-Dimensional Dynamics; iii) Hyperbolic Dynamics; and iv) Ergodic Theory**, focusing on discrete dynamics throughout.

## Homework

Homework assignments will be given approximately 2 weeks. You are encouraged to work together on these, but please make sure that you write up the solutions on your own.