MATH673 — SPRING 2021

DYNAMICAL SYSTEMS

Instructor::	Dr. Harbir Lamba
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Office Hours:	R $9.00-10.00$ and by appointment.
Webpage:	http://math.gmu.edu/~harbir/m673/
Textbook:	Alligood, Sauer and Yorke, Chaos: An Introduction to Dynamical
	Systems, Springer 2000.
The Course:	We will cover material from the first 12 Chapters — pretty much everything from the early chapters and then skipping and skimming some material depending on the time available.

Each weekend I will post a video on Blackboard that you should watch in its entirety as well as reading the relevant parts of the book. I will also set homework questions from the exercises in the book. During the class on Thursday I will answer questions and go through the homework exercises but not cover any new material. I do expect you all to attend and be prepared each week and you should email me ahead of time if you cannot be there.

My office hours are via email. I will be available to immediately answer questions.

The course will be graded on the basis of a mid-term (25%) on March 18th, a (cumulative) final exam (50%) and two numerical projects (25%). No outside materials will be allowed during the exams.

The homework problems set should not be handed in but you are STRONGLY advised to study them and write out your solutions properly. You are also encouraged to discuss these problems amongst yourselves and make use of the email office hours. I will go through many of the homework problems in the following class and you will not benefit from this if you have not made a serious attempt at them beforehand.