

Math 564: Introduction to Dynamical Systems I

This course is an introduction to the theory of dynamical systems. The course will cover linear maps and differential equations, nonlinear systems, conservative dynamics, one-dimensional dynamics and connections with ergodic theory and number theory.

Prerequisites

• Pre-req: Math 353 with a minimum grade of C or Graduate Standing.

Instruction Type(s)

• Lecture: Lecture for Math 564

Subject Areas

• Mathematics, General

Related Areas

- Algebra and Number Theory
- Analysis and Functional Analysis
- Geometry/Geometric Analysis
- Topology and Foundations

