

# Math 564: Dynamical Systems

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.

#### 3 Credits 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
- <u>Geometry/Geometric Analysis</u>
- <u>Topology and Foundations</u>

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