

# Math 664: Topics in Dynamical Systems

The course covers some important topics in dynamical systems. In particular, low-dimensional dynamics, circle dynamics, Hamiltonian dynamics. It will also contain an introduction to Kolmogorov-Arnold- Moser theory and renormalization methods in dynamics.

3 Credits

#### Prerequisites

• Math 564: Introduction to Dynamical Systems I (Minimum grade: C)

## Instruction Type(s)

• Lecture: Lecture for Math 664

## **Subject Areas**

• Mathematics, General

#### **Related Areas**

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

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