

# 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: Dynamical Systems (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>
- <u>Topology and Foundations</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

