

Math 658 Notes

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Contents

1	Lecture 1 - August 25	1
1.1	Books	1

1 Lecture 1 - August 25

1.1 Books

Nonholonomic Dynamics and Control Anthony Bloch

Differential Equations, Dynamical Systems, and an Introduction to Chaos Hirsh, Smale,
Devaney

Mathematical Methods of Classical Mechanics Vladimir Arnol'd

Introduction to Mechanics and Symmetry Ratiu and Marsden

Foundations of Mechanics Abraham, Marsden, and Ratiu

Classical Mechanics Goldstein

Classical Mechanics Whitaker

Nonlinear Oscillations, Dynamical Systems, and Bifurcations of Vector Fields Guckenheimer
and Holmes