PHYSICS 310
Classical Mechanics
Fall 2009

INSTRUCTOR: **Dr. Tom Masden** **OFFICE:** **Neckers 429**
OFFICE HOURS: **MWF 9:00-9:50, 11-11:50** **TEL:** **536-2062**
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TEXT: ***Classical Dynamics, 5th Ed.*, by Marion and Thorton**

Tentative Schedule

Chapter 1	Matrices, Vectors, and Vector Calculus	2 weeks	
Chapter 2	Newtonian Mechanics	2 weeks	
Chapter 3	Oscillations	2 weeks	(Exam #1)
Chapter 4	Nonlinear Oscillations and Chaos	2 weeks	
Chapter 5	Gravitation	2 weeks	
Chapter 6	Some Methods in the Calculus of Variations	2 weeks	(Exam #2)
Chapter 7	Hamilton's Principle-Lagrangian and Hamiltonian Dynamics	3 weeks	

Final Exam Mon. Dec. 14, 7:50-9:50 a.m.

Grading

Homework	20%
Exam #1	25%
Exam #2	25%
Final	30%

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Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.