

PHYSICS 331: ADVANCED CLASSICAL MECHANICS  
COURSE SCHEDULE (PART I)  
FALL 2009

Part I: Fundamentals

**Wednesday, Aug. 26**

Newtonian Mechanics—single particle      *Skim ch. 1; Read 2.1–2.4*

**Friday, Aug. 28**

Newtonian Mechanics (cont.)      *Read 2.5–2.7*

**Monday, Aug. 31**

Newtonian Mechanics (cont.)      *Read 1.4 and 1.5*

**Wednesday, Sept. 2**

Oscillations      *Read 3.1–3.5*

**Friday, Sept. 4**

Oscillations (cont.)      *Read 3.6–3.9*

**Monday, Sept. 7**

Non-Linear Oscillations and Chaos      *Read 4.1–4.3*

**Wednesday, Sept. 9**

Non-Linear Oscillations (cont.)      *Read 4.4–4.5*

**Friday, Sept. 11**

Non-Linear Oscillations (cont.)      *Read 4.6–4.7*

**Monday, Sept. 14**

Non-Linear Oscillations (cont.)      *Read 4.8*

**Wednesday, Sept. 16**

**TEST 1**

NB: All reading refers to the text, “Classical Dynamics of Particles and Systems” by Stephen T. Thornton and Jerry B. Marion.