

## Chapter Outline

### **6.1. (Bold Large Text)**

-(Summary of topic)

#### **A. (Bold Small Text)**

- (key points i.e. Equations, definitions, diagrams)

**Does not need to be typed!!!! Can be...**

**This is a LAB grade!**

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*Example for Chapter 6*

## Chapter 6 Outline

### **6.1 Uniform Circular Motion**

- This chapter will consider objects moving with a constant speed in circular paths.

#### **A. Velocity and Acceleration in Uniform Circular Motion**

- Although speed of an object in UCM is constant its velocity is changing because the direction of its motion is changing.

- This is an indication of acceleration.

- Centripetal acceleration is a vector of acceleration that points in toward the center of a circular path.

-  $a = \frac{v^2}{r}$  centripetal acceleration