

*Date: 01-12-2011*

*Day 02*

## **Chapter 10**

### **Vectors and the Geometry of space**

#### **Lecture 2**

- Distance Formula: Quick Review
- Midpoint Formula
- Equation of a sphere
- Definition of a Vector
- Geometrical algebra of vectors
- Triangle and Parallelogram Law
- Position Vector
- Algebra of Vectors: Component wise addition, subtraction, and multiplication by scalar.

**(More in Recitation)**

- Norm of a vector (**Next Time**)

