**ERD’s – In class Examples**

1. Old Midwest Business school offers several undergraduate classes that students can take. A course may generate zero, one or many classes, and a class comes from exactly one course. A professor teaches zero, one or many classes, and a class is taught by one professor. A class is held in one room, but a room can have many classes meeting in it. Draw an ER diagram that represents the above context.
2. The Marketing department of Wholesale Company wants you to come up with an ERD that reflects their context. The department has several sales representatives who sell several products to customers. Each product is sourced by one or more vendors, and a vendor may supply one or more products.

**Solution 1.**

**Student**

**Professor**

**Room**

**Course**

**Class**

Take

**Solution 2:**

**Sell**

Supply

**Vendor**

**Sales Rep.**

**Customer**

**Product**