Class Activities

# Chapter 18S: Capacity Requirements Planning, MRP II, ERP, and DRP

**Activity 1:** **Activity for Small Groups**

Learning objectives:

* Describe the features of a CRP system.
* Identify the features of an MRP II system and its benefits.
* Describe an ERP system and its common modules, its benefits, and its drawbacks.
* Identify the effects of MRP, MRP II, and the ERP systems on supply chains.

Have students form into at least three groups. Assign each group one of the systems: MRP, MRP II, and ERP. Deliberate among one another in the group a definition of the assigned systems. Choose a company to illustrate the impact of the assigned system on its operation and supply chain. Present the group’s work to the rest of the class.

**Activity 2: Online Activity**

Learning objective: Describe an ERP system and its common modules, its benefits and drawbacks

Have students search online for five ERP software. Give a brief description of the software and its vendor. Compare the software on vendor reputation, technical support, pricing, features, ease-of-use, scalability and reliability. Based on the comparison, recommend a software to a small business. Post each individual’s work as a discussion board entry. Each student will then comment on three other students’ postings.

**Activity 3: Activity for Small Groups**

Learning objective: Describe how ERP systems can promote sustainability

Have students find two or three classmates to form a group. Discuss among one another in the group a sustainability issue that can be addressed by an ERP system. Describe the issue and how to use the ERP system to address the issue. Share the work of the group to the rest of the class.