Class Activities

# Module E: Learning Curves

**Activity 1:** **Experiential Activity**

Learning objective: Define the concept of learning curves

Have students relate to a situation where their performance improves as they repeat the task. Describe the situation and the underlying reasons for the performance improvement. Select several students to share their work with the rest of the class.

**Activity 2: Activity for Small Groups**

Learning objective: Apply various approaches to solving learning curve problems

Prepare two different problems similar to Examples E.1 and E.2. Have students work in pairs and assign each pair one of the two problems. Ask each pair to keep a record of the problem solving process, including actual steps, time taken for each step, and a description of each step. Turn in the process analysis at the end of class. Review the analyses for areas where students spend the most time and/or need clarifications. Report back to the class the findings of the analyses and go over areas that need clarifications in the next meeting.

**Activity 3: Activity for Small Groups**

Learning objective: Implement learning curves for cost estimation problems

Provide students with a problem(s) similar to Example E.3. Have students work in pairs to solve the problem. Ask each pair to keep a record of the problem solving process, including actual steps, time taken for each step, and a description of each step. Turn in the process analysis at the end of class. Review the analyses for areas where students spend the most time and/or need clarifications. Report back to the class the findings of the analyses and go over areas that need clarifications in the next meeting.