Class Activities

# Module F: Decision-Making Tools

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

Learning objective: Explain the importance of following a systematic process to make operations and supply-chain management decisions

Have students relate to a decision making situation. Describe the situation and the process used in arriving at a decision. Reflect on the process and discuss whether or not it is systematic. Find several students to share their work with the rest of the class.

**Activity 2: Activity for Small Groups**

Learning objective: Solve decision making problems under certainty, uncertainty, and risk

Provide students with problems similar to Examples F.1 and F.2. Have students work in pairs and assign each pair one of the 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 2: Activity for Small Groups**

Learning objective: Utilize decision trees and sensitivity analyses to make sequential decisions

Provide students with a problem similar to Example F.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.