Chapter Outline

# Module D: Simulation

***See pages 840-861.***

Operation Profile: Using Simulation to Answer the “What If?” Questions in the Oil Business

Introduction to Simulation

Steps for Using Simulation

Advantages and Disadvantages of Simulation

Monte Carlo Simulation

Simulation Using Excel

Inventory Simulation

Simulation of Waiting Line Systems

Module Summary

Key Terms

Discussion and Review Questions

Solved Problem

Problems

Case Study D.1: Staying Ahead of the Demand for Ice Cream