

	Where We Are Now						
	Chapter	Relationships	Sustainability	Globalization	Organizational Culture/Ethics	Change Management	Measurement
	Part 1 Supply Chain: A perspective for Operations Management						
	1. Introduction to Managing Operations Across the Supply Chain	Х	Х	Х			
	2. Operations and Supply Chain Strategy	х	х	х	Х	Х	Х
	Part 2 Foundations of Operations Management						
	3. Managing Processes and Capabilities	Х					Х
Mening Does to Mening Description Descript	4. Product/Process Innovation	Х	Х	Х		Х	
	5. Manufacturing and Service Process Structures	Х		Х	Х		X
	6. Managing Quality	Х	Х	Х	Х	Х	Х
	7. Understanding Inventory Fundamentals	х		Х			Х
Manufacture and a second secon	8 Lean Systems	Х		х	Х	Х	Х
	Part 3 Integrating Relationships Across the Supply Chain						
	9. Customer Management	Х					Х
	10. Supply Management	Х	Х	Х	Х		Х
	11. Logistics Management	Х	Х	Х			
	Part 4 Planning of integrated Operations Across the Supply chain	Х					
	12. Demand Planning: Forecasting and Demand Management	Х		х			Х
	13. Sales and Operations Planning	Х		Х			Х
	14. Independent Demand Inventory Planning	Х					Х
	15. Materials and Resource Requirements Planning	Х		Х			Х
CONT COL	Part 5 Managing Change in Supply Chain Operations						
4 <u>1</u> <u>1</u>	16. Project Management	X	X	X	X	X	х
	17. Evolving Business Models and Change Drivers in the Supply Chain	х	Х	х	х	X 5–2	2









Capacity Planning Decisions									
Time Frame (time required for changes)	Limiting Resource	Types of Capacity Change	Examples						
Short term (0-6 months)	Low-skilled labor	Overt-time, part-time, temporary labor, layoffs	Restaurant wait staff, bank tellers, production line workers						
	Equipment, space	Rental, leasing	Landscaping equipment, temporary storage						
Medium term (6-24 months)	Specialized labor	Hiring, firing, contract labor	Engineers, accountants, machine operators, physicians						
	Equipment, space	Leasing, subcontracting, equipment installation and renovation	Distribution/warehousing fast-food restaurant rebuild, production line renovation						
Long term (2+ years)	Physical plant	New building, outsourcing	Automotive plant open or closure, new office building						
		Table 5-1	5–7						























## **Break Even Point**

A firm has variable costs of per unit of \$3 and annual fixed costs of \$30,000. What is the breakeven point if the sales prices is 48 per unit

## Total Revenue = Total Cost

TR = \$8 \* volume and TC = \$30,000 + \$3 \* volume

\$8 \* volume = \$30,000 + \$3 \* volume

\$5 \* volume = \$30,000

volume = 6,000 units per year



