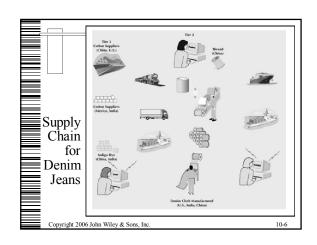
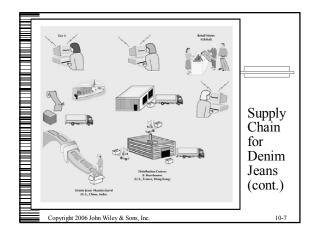


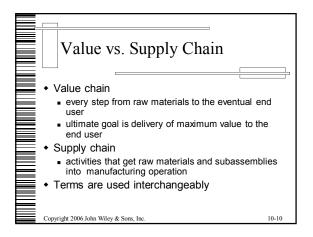
Lecture Outline (cont.)

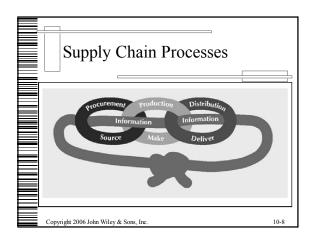
• E-Procurement
• Distribution
• Supply Chain Management Software
• Measuring Supply Chain Performance
• Global Supply Chain

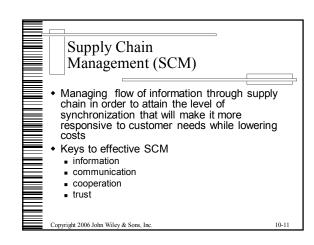
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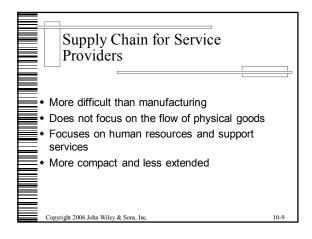


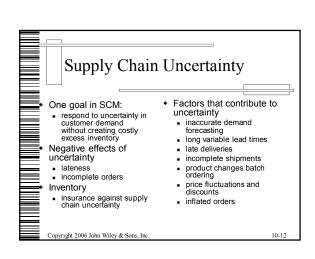


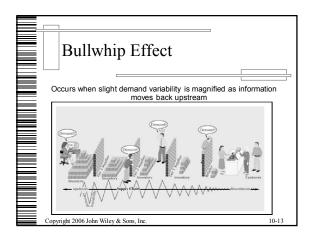


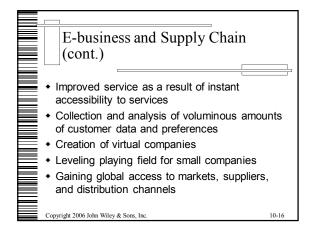


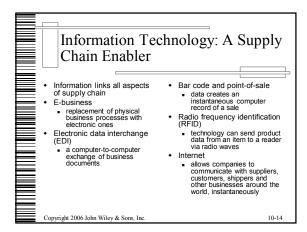


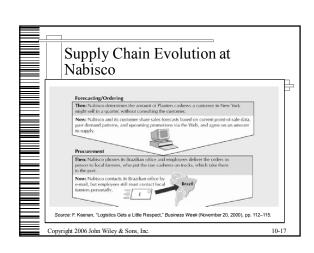


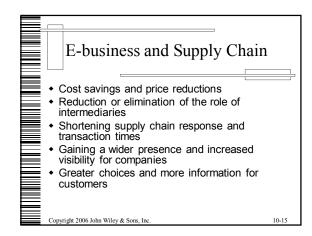


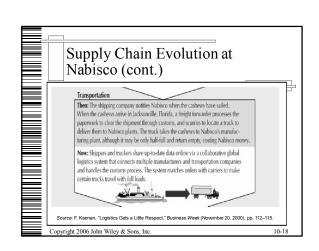


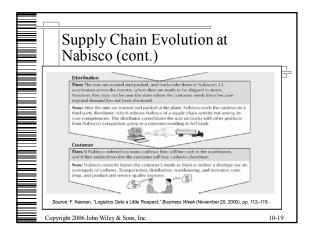


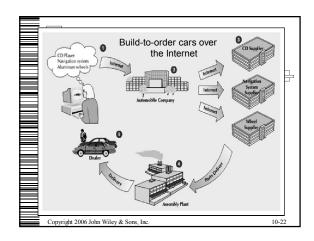


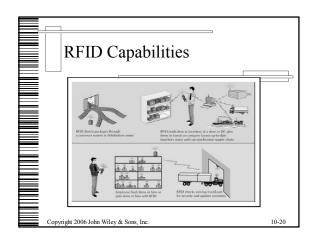


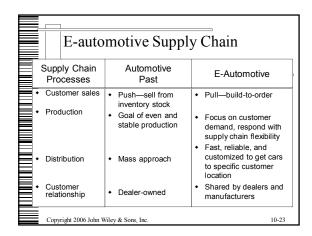


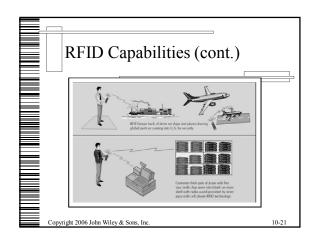




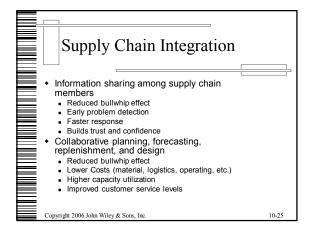


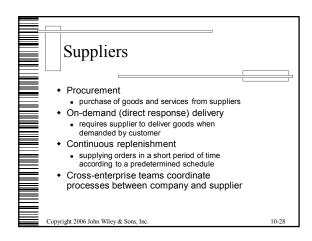


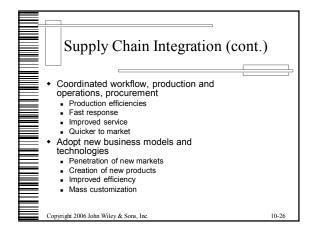


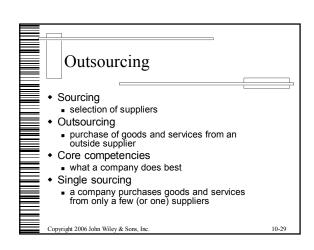


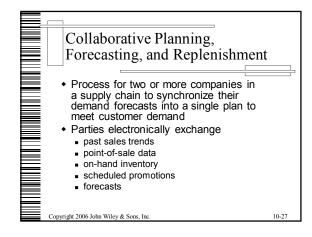
| Supply Chain Processes | Automotive Past | bly Chain (cont.) |
|---|---|---|
| Managing uncertainty Procurement Product design | Large car inventory at dealers Batch-oriented; dealers order based on allocations Complex products don't match customer needs | Small inventories with shared information and strategically placed parts inventories Orders made in real time based on available-to-promise information Simplified products based on better information about what customers want |
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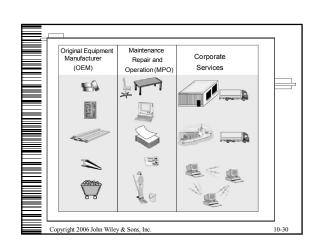


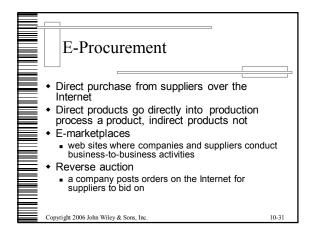


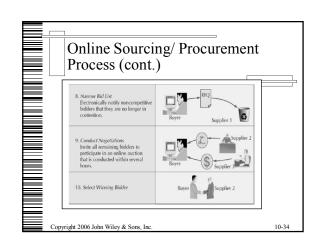


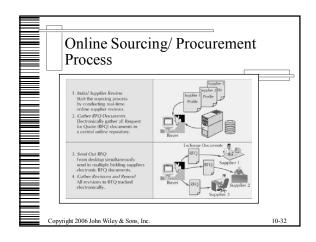


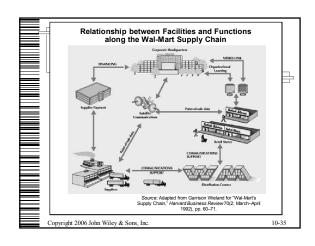


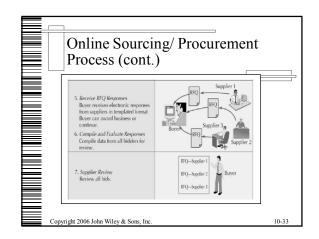


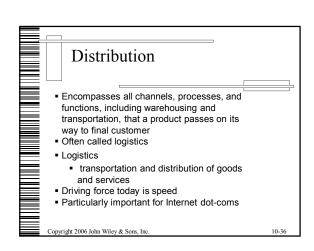


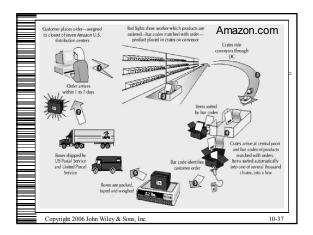


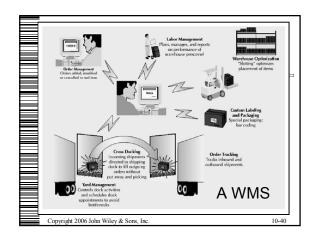


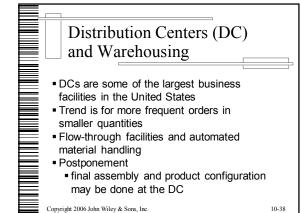


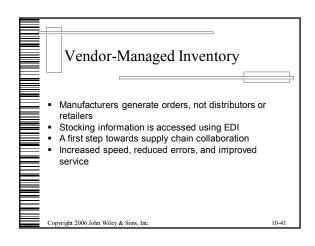


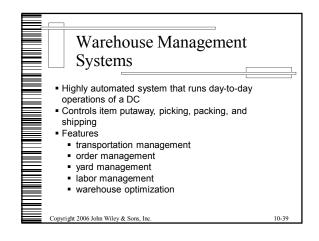


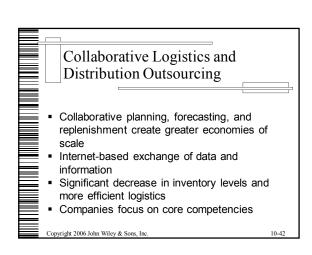


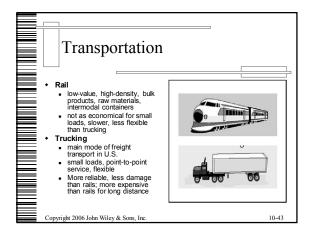


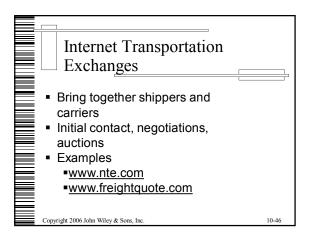


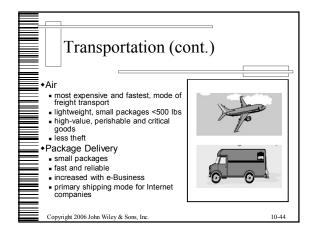


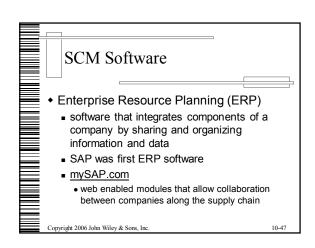


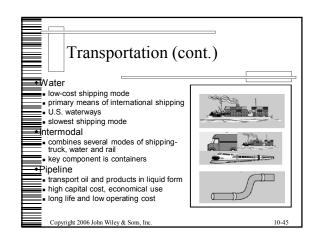


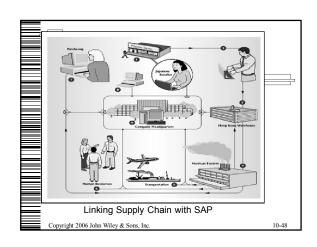


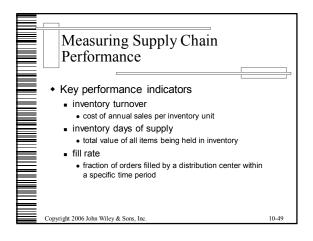


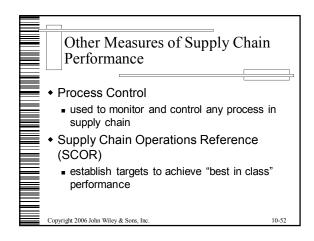


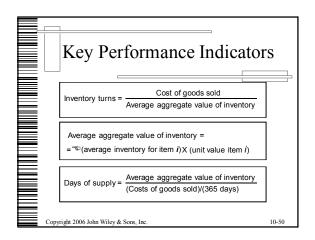


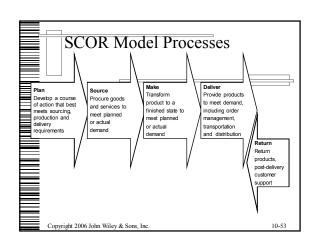


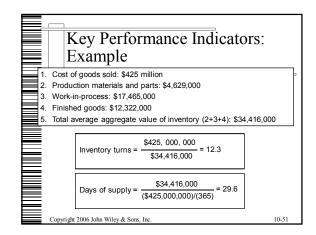






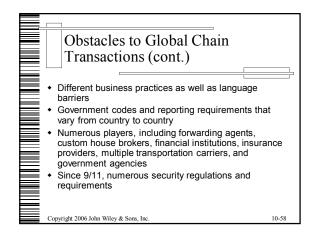






| | 1 | T |
|---|------------------------------|---|
| Performance Attribute | Performance Metric | Definition |
| Supply Chain Delivery Reliability | Delivery performance | Percentage of orders delivered on time and in full to the customer |
| | Fill rate | Percentage of orders shipped within24 hours of order receipt |
| | Perfect order fulfillment | Percentage of orders delivered on time and in full, perfectly matched with order with no errors |
| Supply Chain Responsivenes s | Order fulfillment lead time | Number of days from order receipt to customer delivery |
| Flexibility re | Supply chain response time | Number of days for supply chain to respond to an unplanned significant change in demand without a cost penalt |
| | Production flexibility | Number of days to achieve an unplanned 20% change in orders without a cost penalty |

| | SCOR: Internal Facing | | | |
|---|-------------------------------------|--|--|--|
| Performance Attribute | Performance Metric | Definition | | |
| Supply Chain Cost | Supply chain management cost | Direct and indirect cost to plan, source and deliver products and services | | |
| | Cost of goods sold | Direct cost of material and labor to produce a product or service | | |
| | Value-added productivity | Direct material cost subtracted from revenue and divided by the number of employees, similar to sales per employee | | |
| | Warranty/returns processing cost | Direct and indirect costs associated with returns including defective, planned maintenance and excess inventory | | |
| Supply Chain Asset Management Efficiency | Cash-to-cash cycle time | Number of days that cash is tied up as working capital | | |
| | Inventory days of supply | Number of days that cash is tied up as inventory | | |
| | Asset turns | Revenue divided by total assets including working capital and fixed assets | | |







Obstacles to Global Chain
Transactions

• Increased documentation for invoices, cargo insurance, letters of credit, ocean bills of lading or air waybills, and inspections

• Ever changing regulations that vary from country to country that govern the import and export of goods

• Trade groups, tariffs, duties, and landing costs

• Limited shipping modes

• Differences in communication technology and availability

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