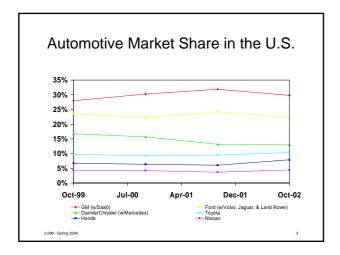
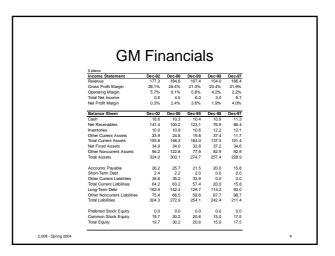
2.008 Cost

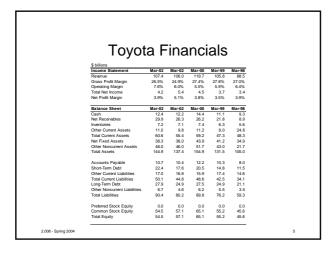
For-Profit manufacturing firms Performance Measures

- Ownership:
 Market value = PV (Earning) + PV (Growth Opportunity)
- Management:
 Performance Targets

2 008 - Spring 2004







	GM		тоуота			
	2001	2000	1999	2001	2000	1999
urrent Ratio	3.02	2.32	2.86	1.21	1.24	1.22
ays Receivable	291	198	269	102	91	80
Asset Turnover	0.57	0.64	0.63	0.76	0.73	0.84
Inventory Turnover	16.90	17.11	14.65	15.04	14.61	17.35
ROA	0.2%	1.5%	2.2%	2.9%	4.0%	2.9%
ROE	3.0%	14.8%	29.1%	7.7%	9.5%	7.0%
Gross Margin	26.1%	28.4%	21.0%	26.5%	24.9%	27.4%
Operating Margin	5.7%	9.1%	5.6%	7.6%	6.0%	5.5%
Profit Margin	0.3%	2.4%	3.6%	3.9%	5.1%	3.8%

Manufacturing Investment Decision

- NPV
- Payback Period
- Average Return on Book
- · Internal Rate of Return
- · Profitability Index

2.008 - Spring 200

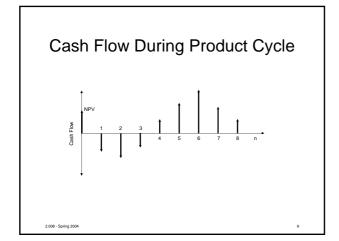
Time Value of Money

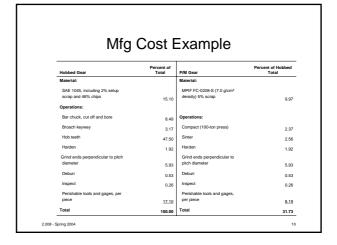
• \$1 today is worth more than \$1 tomorrow

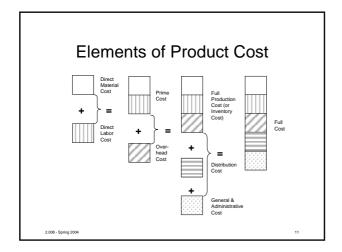
Discount rate:

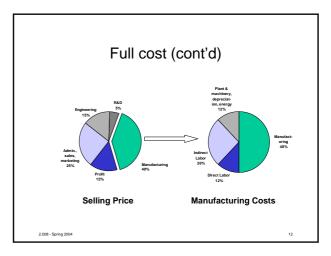
Return foregone by investing in the project rather than in other opportunities

2.008 - Spring 200

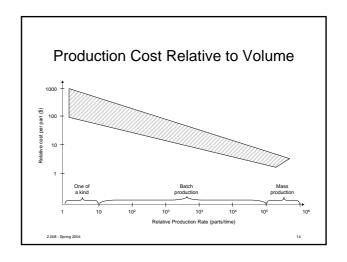


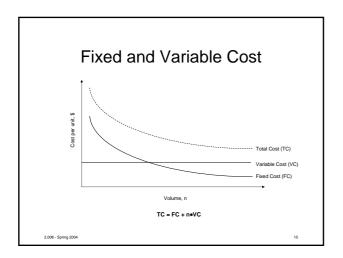


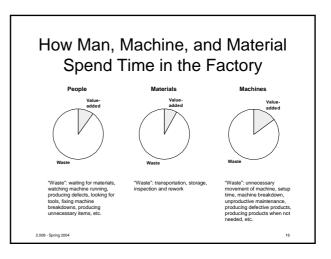




Direct/Indirect vs. Fixed/Variable • Traceability: Accountant • Volume-dependence: Economist







			ry	
Industry	Direct Materials	Direct Labor	Manufacturing overhead 29.0	
Aerospace	51.7	19.3		
Computers	69.9	7.5	22.5 36.3	
Electronics	48.6	15.1		
Industrial and farm equipment	46.0	12.8	41.2	
Metal products	52.0	15.7	32.3	
Motor vehicles and parts	63.8	7.8	28.4	
Scientific and photographic equipment	52.3	11.3	36.5	
Average for seven industries	54.4	12.9	32.6	

