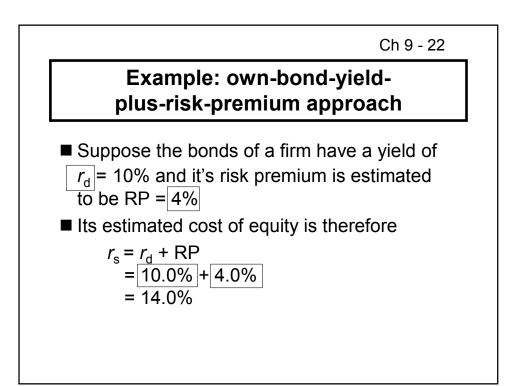


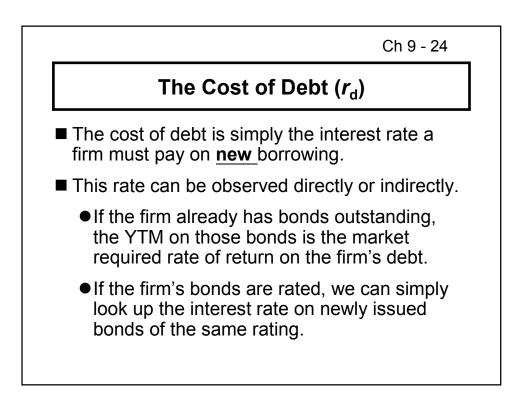
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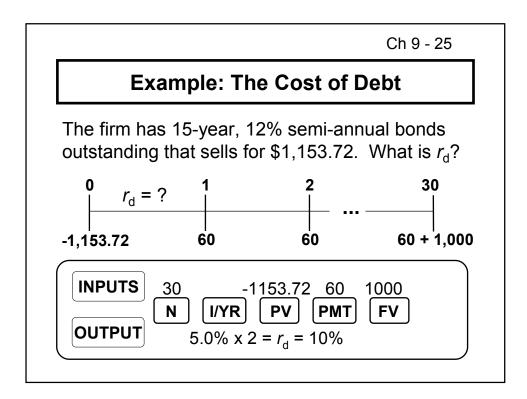
## Approach

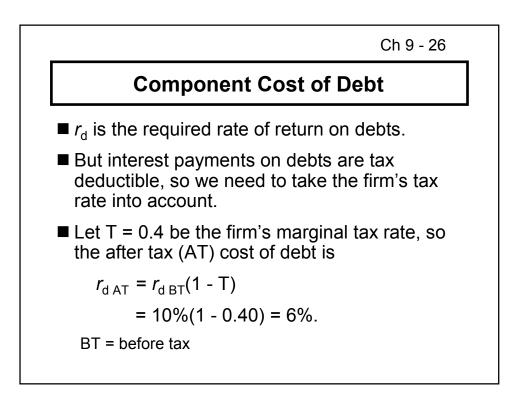
- A subjective (ad hoc) procedure to estimate a firm's cost of equity based on its observable cost of long-term debt.
- Logic: Firms with higher risk, and therefore low-rated, high interest rate debts will also have riskier, higher-cost equity.
  - $r_{\rm s}$  = Firm's Own Bond yield + risk premium
- Note: The risk premium is a subjective estimate (and ≠ MRP in CAPM).

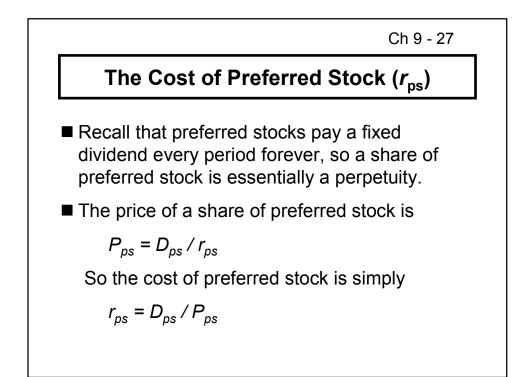


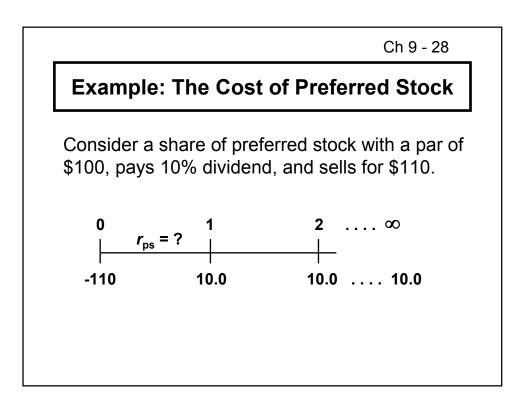
What is a reasonable final estimate of <i>r</i> <sub>s?</sub>		
Method	Estimate	
DDM	13.8%	
CAPM	14.2%	
<i>r</i> <sub>d</sub> + RP	14.0%	
Average	14.0%	
	– use the estimate mo	st
"reasonable" under t	he circumstances.	

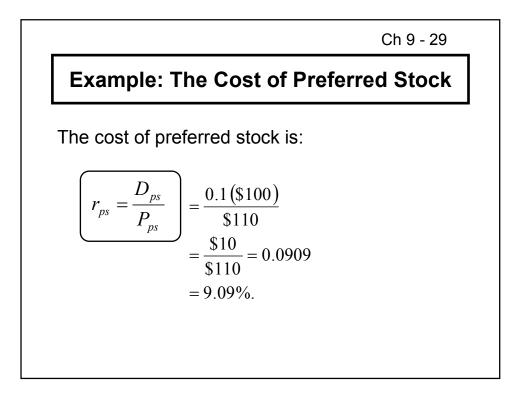


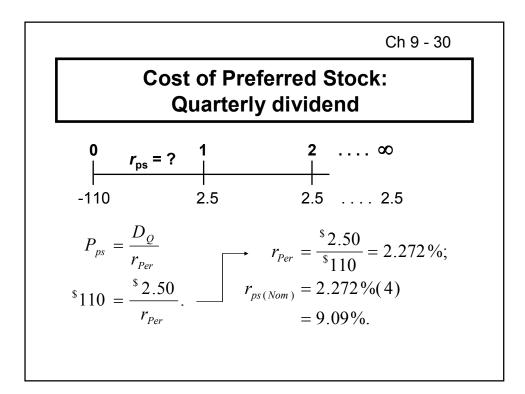


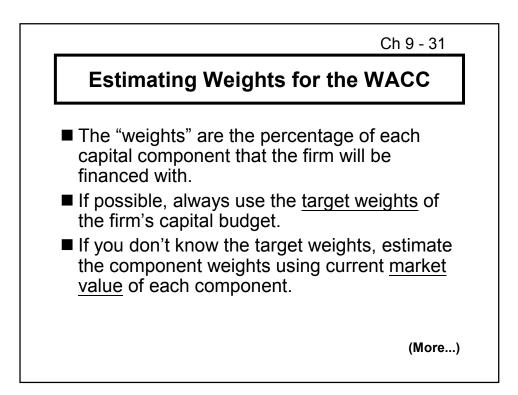


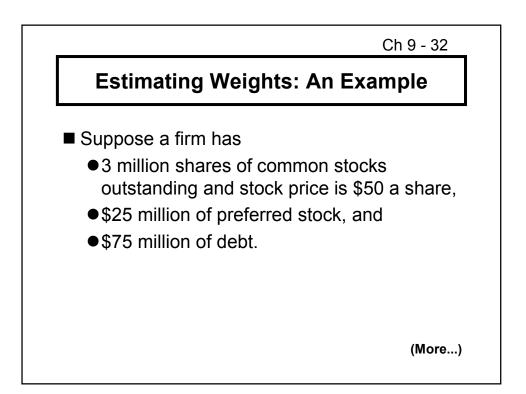


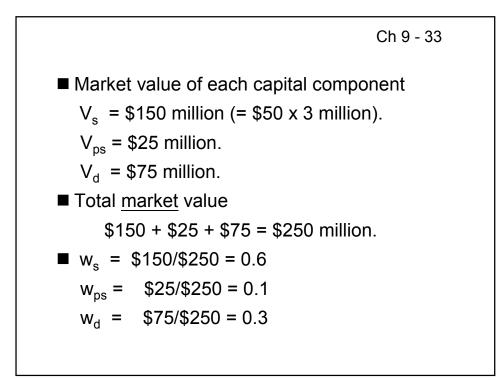


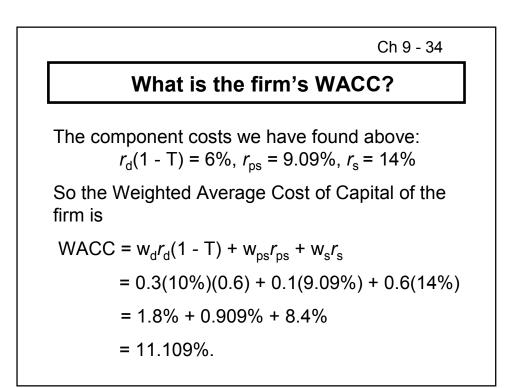












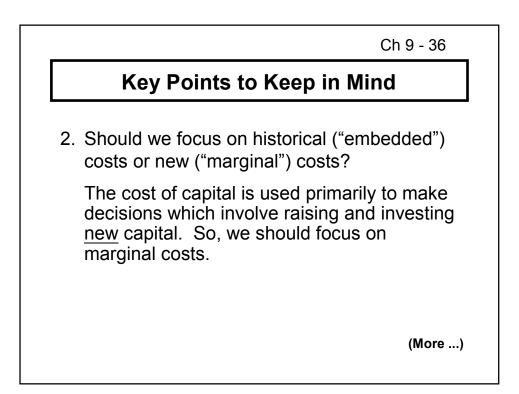


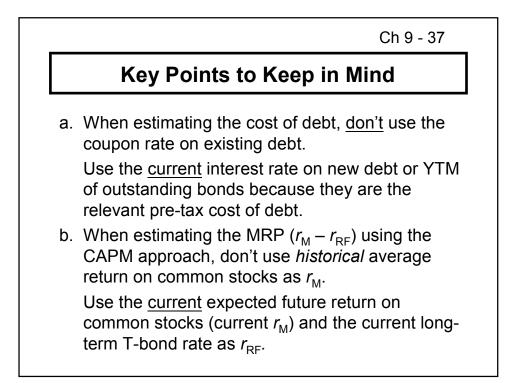
## Key Points to Keep in Mind

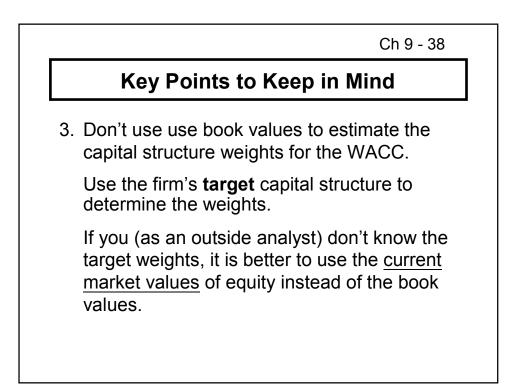
 Remember that capital components are sources of funding that come from investors. If the funding is not from an investor, it is <u>not</u> a capital component.

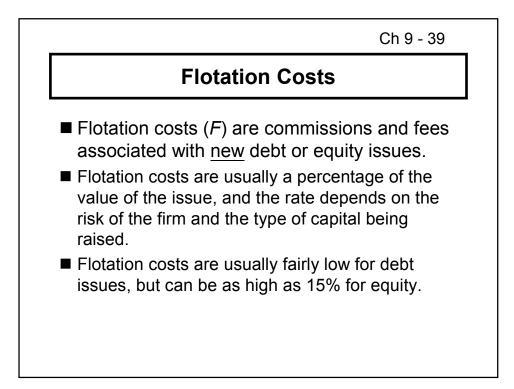
Accounts payable, accruals, and deferred taxes are NOT sources of funding that come from investors, so they are not included in the calculation of the WACC.

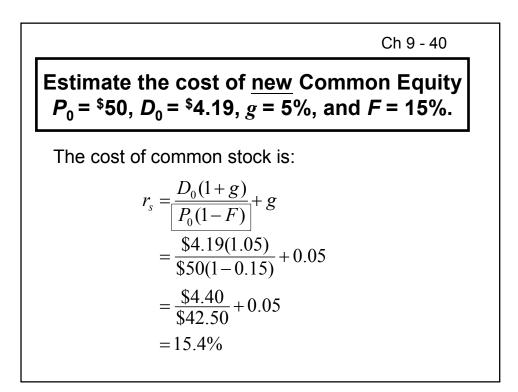
We do, however, adjust for these items when calculating the cash flows of projects, but not when calculating the WACC.









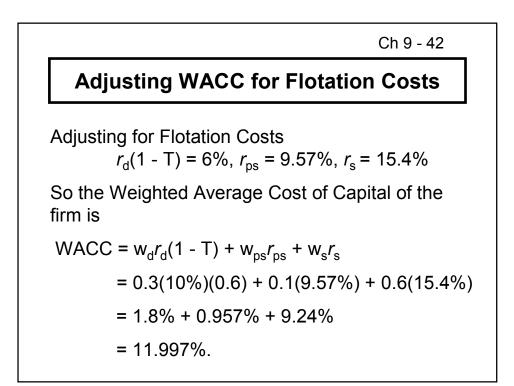


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## Estimate the cost of <u>new</u> Preferred Stock $P_s =$ <sup>\$</sup>110, D = 10%, Par = <sup>\$</sup>100 and F = 5%.

The cost of preferred stock is:

$$\left(r_{ps} = \frac{D_{ps}}{P_{ps}(1-F)}\right) = \frac{0.1(\$100)}{\$110(1-0.05)}$$
$$= \frac{\$10}{\$104.5} = 0.0957 = 9.57\%.$$





## What factors influence a company's WACC?

- Market conditions, especially interest rates and tax rates.
- The firm's capital structure and dividend policy.
- The firm's investment policy firms with riskier projects generally have a higher WACC.

WACC Estimates for Some Large U. S. Corporations			
Company	WACC	Wd	
Intel (INTC)	16.0	2.0%	
Dell Computer (DELL)	12.5	9.1%	
BellSouth (BLS)	10.3	39.8%	
Wal-Mart (WMT)	8.8	33.3%	
Walt Disney (DIS)	8.7	35.5%	
Coca-Cola (KO)	6.9	33.8%	
H.J. Heinz (HNZ)	6.5	74.9%	
Georgia-Pacific (GP)	5.9	69.9%	

