Capital Structure: Part 2

For 9.220, Term 1, 2002/03 02_Lecture20.ppt Student Version

Outline

- 1. Introduction
- 2. Theories of Capital Structure
 - a) Effects of Costs of Financial Distress,
 - b) Agency Cost of Equity (Shirking and Perquisites)
 - c) Pecking Order Theory
 - d) Miller Corporate & Personal Tax
- 3. Summary and Conclusions























- □ Another theory on the use of debt and equity is based on the fact that it is more difficult to determine the value of equity compared to debt.
- □ Because management knows more about the true value of the firm, investors will interpret an equity issue to signal management's assessment that the firm's equity value must be overvalued.
- Debt has contractual payments, thus there is less of an over-valued signal when debt is issued. In fact, debt can signal that management is confident in its firm and believes servicing the debt will not be a problem.
- Result: markets react very negatively to additional equity issues, less negatively to additional debt issues, and are happiest with financing from retained earnings.



Miller Model: Both Corporate and Personal Taxes

- □ Merton Miller, 1977, *Journal of Finance*, "Debt and Taxes"
- Miller argued that the corporate tax advantage of debt financing may be offset by the personal tax disadvantage of receiving debt interest payments.
 - At the personal or investor level, interest income is taxed at a higher rate than equity income (capital gains or dividends).
 - Because of the personal tax disadvantage of interest income, the before tax return on debt must be higher to compensate for the personal taxes. Thus, the corporate tax advantage of debt financing may be partially or wholly offset by the higher return required to compensate for the higher personal tax on debt income.











