Advanced Corporate Finance

This is a course on applied corporate finance dealing with the design and valuation of transactions and their financial instruments.

We review the basic enterprise valuation model based upon discounted free cash flows and multiples, and recent advances in the estimation of the cost of capital, including estimates of the equity and liquidity premiums and allowances for country risk.

We study financial contracts or "deals" and their role in public and private transactions and financing decisions. The focus is on how deals are made in the real world, and how contract design can allow parties to agree to disagree in a transaction. Students acquire expertise in applying core finance concepts and techniques and master the most creative aspects of finance.

We examine the estimation and use of debt capacity and financing with convertibles and tax favored securities. The final part of the course is devoted to recapitalization of troubled companies and asset restructuring decisions.

Specifically, the course coverage is organized along the following main themes:

I. Valuation
II.
III. Deal making
IV. Debt capacity and private equity
V. Financing with convertibles and tax favored securities
V. Recapitalizations and restructuring

Grading: Grades will be based upon class participation (10%), written assignments (15%), an in-class midterm examination (30%) and a take-home final examination (45%). Students are expected to prepare in advance for each class and participate in class discussion.

Readings:


Cases and session guides: Casebook.
Assignments: There will be four assignments to be prepared by teams of 3 (minimum) to 5 (maximum) members. Each assignment will be graded √-, √ or √+.

Review problems: Review problems with hints and answers will be posted on Bold.

Review session on option pricing: There will be one review session on basic option pricing at the level covered in B7302 for those students who need it.

Class Schedule and Assignments

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<td>I – Valuation</td>
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Sessions 1.1-1.2. Free cash flow valuation and the cost of capital

In these sessions we review the basic enterprise valuation model; examine the evidence on the nature and magnitude of the equity premium; and learn how to estimate the prospective equity premium in practice.

Case: Morehouse Industries Inc. (A).

Readings: (Omit * marked sections) Chapters 2, pp. 9-17, 21-25, 27-30 (up to Section 2.7), Ch. 3, 35-50, 54-62 (start at Section 3.5.4), Ch. 4, pp. 63-70 (up to Section 4.5). Skim Ch. 5, pp. 77-87.

Sessions 2.1-2.2. Accessing the global capital market

We examine how to access the global capital market, how to attain liquidity events in private equity, and the valuation of private placements and emerging market companies.

Case: Petőfi Printing Company.

Reading: Ch. 12, pp. 205-219.

II- Deal Making

Sessions 3.1-3.2. Transaction analysis

We examine the role acquisitions within the competitive strategy of a company. We discuss the options open to a potential acquirer, including the possibility of acquiring its main competitor. Valuation issues related to the acquisition of the target, including the premium to offer and its possible recovery via synergies are examined in detail.

Cases: For the first session: Borland - Ashton Part I: The Target.
For the second session: Borland – Ashton Tate Part II: The Offer.

Readings: Ch. 9, pp. 143-144 and 147-177.

Assignment No. 1 (due on session 3.1): On Borland case Parts I. See instructions and hints posted on Bold’s outline page.
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**Session** | **Topic**
---|---
Sessions 4.1. **Transaction analysis** (continued)
Shareholder value issues are examined from the point of view of bidders, the target and its shareholders.

  **Cases**: Bidding for MCI – Part I

**Assignment No. 2 (due on session 4.1)**: MCI – Part I. Instructions posted on Bold’s outline page.

Sessions 4.2-5.2. **Risk management in deal making**
We review the role and purpose of “deals” in corporate finance and examine the design and valuation of earnouts.

  **Reading**: Ch. 10, pp. 179-188 (up to Section 10.6.3), Note 10.1 (pp. TN-26-28).

Sessions 6.1. **Real options in deal making**
We examine the terms of a complex acquisition and value them using DCF and option pricing.

  **Cases**: MW Petroleum (A)
  **Reading**: Ch. 6, pp. 89-95.

**III – Debt capacity and private equity**

Session 6.2. **Debt capacity**
We study how to finance a leverage buyout and how sponsors and lenders estimate the debt capacity of a buyout target.

  **Reading**: Ch. 7, pp. 107-120.

Session 7.1. **Midterm examination**: In-class, open book, on material covered through session 6.1.

Session 7.2. **Private Equity: Design and valuation of LBOs**
We study how to structure a leveraged buyout and estimate the return to the suppliers of capital.

  **Case**: Sirona.
  **Reading**: Chapter 13, 221-240.

**Assignment No. 3 (due on session 7.2)**: Modeling Sirona financials from the point of view of the acquirer. Instructions posted on Bold’s outline page.
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Session                Topic

IV – Financing with Convertibles and Tax Favored Securities

Sessions 8.1-8.2. **Equity-linked securities in corporate financing**
Examination of the role of equity-linked securities in corporate finance as an alternative to debt and equity financing, and the role of signaling and pre-commitment in capital markets.

  **Case:** Citicorp's Convertible Preferred Issue.
  **Reading:** Appendix A, pp. A4-A6 (start at Section A.7), skim the rest.

Session 9.1-9.2. **Mandatory convertibles and tax favored securities**
Financial innovation as response to market conditions and taxation. Design and pricing of mandatory convertibles. Attaining flexible financing with tax deductibility. Credit agency equity credit and accounting treatment.

  **Reading:** Article on “Percs, Decs and Other Mandatory Convertibles”.

**Assignment No. 4 (due on session 10.1):** 13.1 and A.6 (hints posted on Bold’s outline page).

V – Recapitalizations and Restructuring

Session 10.1. **Dealing with financial distress**
We study how to reduce the burden of debt on the cash flows of the company to make it consistent with its debt capacity and to maximize the recovery to the claimants.

  **Reading:** Ch. 14, pp. 243-263 (skim Section 14.7).

Session 10.2. **Asset restructuring**
Review of asset disposition and other measures undertaken to close the value gap of a company (share repurchases, asset sales, IPOs, carve-outs, spin-offs, and tracking stock).

  **Reading:** Ch. 15, pp. 265-281.

Session 11.1. **Review and conclusion**