The Complete Financial Analyst Course: Course Notes



Commercial vs. Investment Banks

365 III Careers

The two types of banking institutions



Commercial Banking VS



Investment Banking

Commercial banking is often referred as "deposit taking, credit giving activity". Commercial banks' main business is collecting money from families and corporations and lending them to borrowers	Description	Investment banks deal with a more complex set of operations: listing of firms on stock exchanges (IPOs), advisory in M&A deals and corporate restructurings, trading, and asset management
Accepting deposits, Lending money, Issuing bank cheques, Cash management, Treasury management	Services	Capital Markets (IPOs, SEOs, Private Placements), M&A, Restructurings, Trading and Brokerage, Asset Management
Retail clients, Small Corporate Clients, Medium and Large Corporate Clients	Clients	HNWI, Medium and Large Corporations, Institutional Investors, Hedge Funds, Private Equity Funds

Universal vs. Pure Investment Banks

365 **III** Careers

One-stop-shop or a specialized shop?



Universal Banks

VS



Pure Investment Banks

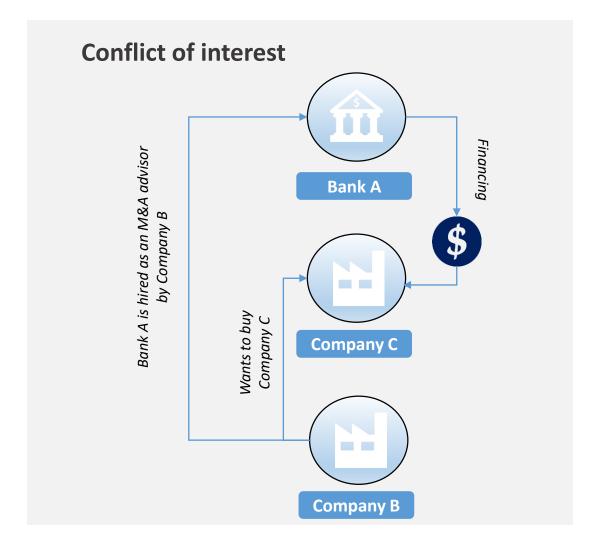
Universal banks engage in both commercial and investment banking operations	Description	A pure investment bank is involved only with investment banking services. It does not do "deposit taking, credit giving"
Universal banks are able to sell more products to their clients, offering a one-stop-shop for all banking services	Competitive Advantage	Specialization, focus, and historical relationships; Superb services offered to clients
J.P. Morgan Chase, HSBC, Credit Suisse, Societe Generale, BNP Paribas, Barclays, Bank of America Merrill Lynch	Examples	Goldman Sachs, Morgan Stanley, Lazard



Conflicts of Interest

A situation in which an agent could possibly act against a client to protect their own interest

On the right, we have described the following situation. A Universal bank (offering both commercial and investment banking services) has financed a company (Company C). Another firm (Company B) is interested in acquiring Company C. Company B decides to hire Universal Bank A as an advisor for the deal. Imagine that Universal Bank A knows very well the business of Company C, and has serious reasons to be worried that it won't be able to receive the entirety of the money that it lent to Company C. Do you think that Universal Bank A would be tempted to help Company B acquire Company C and get back all of its money plus a success fee for advisory? Of course it would! Otherwise it will lose a big portion of the loan that was given to Company B and would miss on the advisory fees. Hence Universal Bank A has a conflict of interest. Its own interest on one side and the interest of the client on the other.



Separate functions that can have a conflict of interest

The role of Chinese Walls is to create a barrier between different divisions whose interaction could cause a conflict of interest. Client information is considered confidential and cannot be shared with people from the same firm who do not have an authorized access to it. People working in different departments of an investment bank are often required to act as if they work for separate organizations.



The Complete Investment Banking Course: Course Notes



365 III Careers

The four main divisions in Investment Banking





Capital markets are one of the most fascinating areas of investment banking. Companies need these services when they are about to go public or want to issue debt that will be sold to the public.



Issuing Equity (ECM)

Going public is a critical moment in the life of any company. The Equity Capital Markets division of an investment bank works with companies that are going to be listed. This means these businesses have grown to become large entities that are ready to get public investors on board. When a company is listed its shares will be sold to public investors and they will be able to determine who will run the business and who will sit on the Board of Directors

Issuing
Debt
(DCM)

Besides equity, a company could be interested in issuing debt securities called bonds. The Debt Capital Markets division of an investment bank works with these clients. A bond offering is not really different from an equity offering. The players who are involved are almost the same. The main difference is that bonds can be issued by sovereign countries too. On average, bonds are much easier to price compared to equity, mainly because every company that issues a bond has a credit rating — an opinion about its creditworthiness that is expressed by independent credit agencies





Advisory is a division that employs individuals with significant experience in Corporate Finance. They are able to serve clients in sophisticated transactions such as M&A and Corporate Restructuring



M&A

M&A stands for Mergers and Acquisitions. We talk about an acquisition, when a company buys another company's shares or assets. Alternatively, we have a merger when the buying company absorbs the target company. The target company ceases to exist after the transaction, as it is merged into the buying company. There are a number of reasons why M&A deals play an important role in a company's life. Top managers understand well that sometimes it is cheaper to acquire something that has been already created rather than trying to generate it internally

Restructuring

These services are necessary when a firm is unable to service its debt and is in danger of going bankrupt. There can be a number of reasons for corporate distress. Some companies can have operating difficulties – problems with their core business. Or alternatively, companies can have financial difficulties – situations in which the core business is profitable, but interest payments are having a detrimental effect on cash flows. The two main alternatives in these situations are a private workout and a formal bankruptcy procedure in court. Most lenders prefer a private workout because it provides them with faster results and a significantly higher recovery rate



Purchasing and selling securities by using an investment bank's own money or doing it on behalf of clients



Trading

Proprietary trading means using the bank's own money in order to buy financial instruments that are held for a while and are later sold at a profit. In most cases this is a are very profitable activity because investment banks have an excellent idea of how financial markets function and what type of trades are likely to be profitable in the short term

Brokerage

Asset Managers and Other institutional investors are some of the clients using brokerage services. Investment banks sell securities to these clients and profits from a bid/ask spread - the difference between the price at which a financial security can be acquired and the price at which it can be sold



Investment banks offer asset management services to institutional investors (pension funds and investment companies) and high net-worth individuals (HNWI)



Institutional Investors

Large institutional investors like pension funds and investment companies work with investment banks as these are able to offer them attractive investment opportunities that are not available to other investors. Investments in structured products, equity, fixed income, private equity, real estate are some of the products that are offered to institutional investors

HNWI (High Net-Worth Individuals)

Individuals with investible income of more than \$5 million. Investment banks offer highly specialized services to these clients: deposit taking and payments, discretionary asset management, tax advisory services, and possibly some concierge services



Capital Markets Services

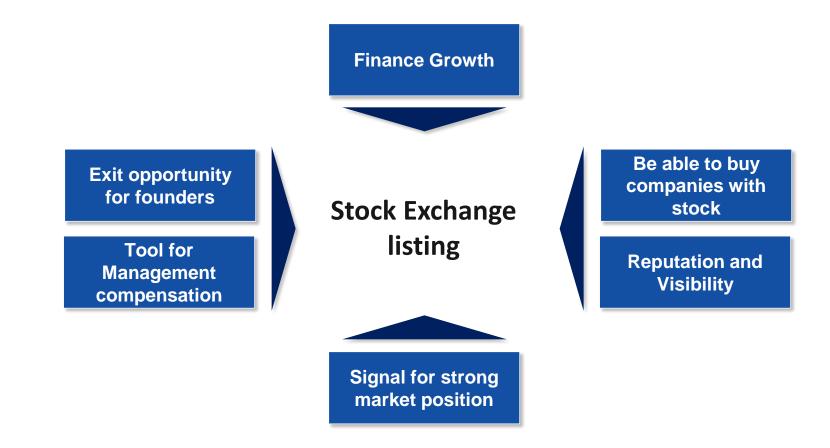
A detailed description

Category	Pr	oduct type	Description	Type of investors
Equity Offerings	1	Initial Public Offerings	The first time when a company's stock is offered to the public. It is listed on a Stock Exchange and offered to investors at a given price range	Private Investors & Sophisticated Investors
	2	Seasoned Public Offerings	SEOs are transactions in which firms that are already listed raise additional equity capital	Private Investors & Sophisticated Investors
	3	Private Placements	Raising equity without offering it to the wide public, but to selected sophisticated investors only. In this way the transaction does not need to go through the full registration process that is required for IPOs	Sophisticated Investors
Debt Offerings	1	Bond Offerings	Issuance of bonds by public authorities, credit institutions, companies and supranational organizations. The process is similar to equity offerings although pricing is easier	Private Investors & Sophisticated Investors
	2	Securitization	Receivables under some form (credits, rents, leases) are packaged together and sold as a security to investors. Often these securities are referred to as Asset Backed Securities	Private Investors & Sophisticated Investors
	3	Loan syndication	A group of banks (rather than a single bank) providing a loan	Financial Institutions

Why Companies Go Public?



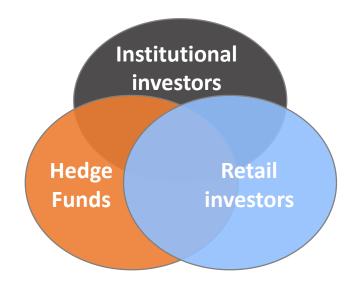
The reasons behind owners decision to list the company on the Stock Exchange



Who are the investors and what do they look for?



The different types of investor profiles



The above categories of investors differ from each other in their:

- Investment horizon
- Return expectations
- Risk profile
- Sophistication

Nevertheless, investors are interested in similar type of stories:

Success stories

Strong leadership

Growth potential

Modest valuation (Lower Price Range)

Companies with positive Cash flows

Solid market position

High demand for the IPO



Pricing mechanisms of an IPO

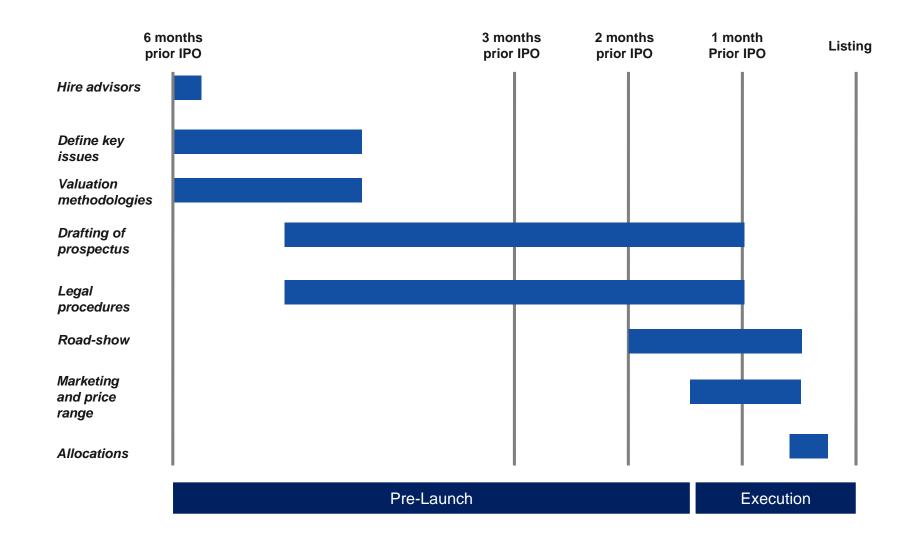
Factors that determine the price of a company that is going public

The price range which is set for an IPO depends on multiple factors. Its key goal is to provide a slight discount to the trading value of the company. This will keep investors happy and facilitate the post-launch trading of the shares



Timetable of an IPO

Timing of the different phases in an IPO

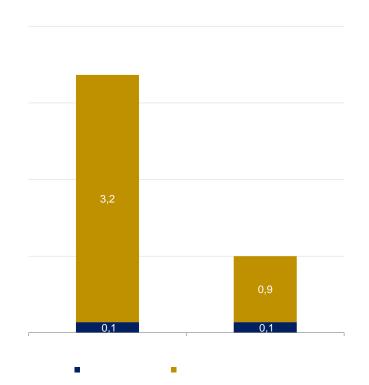






How allocation is carried out in practice

The primary goal of the allocation process is to find investors who believe in the stock and are willing to hold onto it for the long run



Throughout the process of allocation banks try to include the following types of investors:

- Investors willing to keep the stock for a sustained period of time
- Opinion leaders in the industry
- Investors who participated in the roadshow and provided valuable feedback
- Investors with strong reputation (Blackrock, State Street etc.)
- Investors who worked hard to understand the company

Nevertheless, it should be remembered that the leading bank proposes an allocation and then the company decides whether to go through with it or not

SEOs and Private Placements

Raise capital

during good

market

conditions

365 III Careers

Other ways to raise equity



Finance the company

Less bureaucracy and regulatory filings

Seasoned Equity Offerings are similar to IPOs, but much simpler due to the following reasons:

- Documentation and filings are already prepared and submitted
- Valuation is much easier as the company is traded on the market
- Many investors are familiar with the company

Why Private Placements?

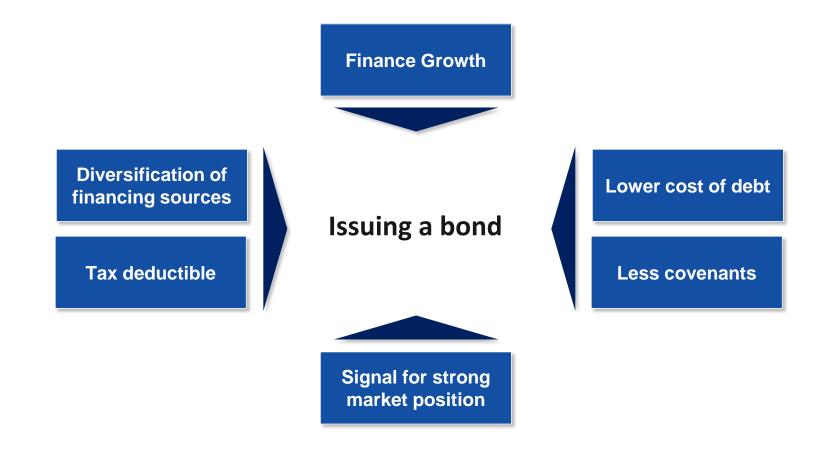
Much faster than IPO

Private placements are equity offerings exempt from a large part of the registration procedures

They are offered only to institutional investors

365 **■ ■** Careers

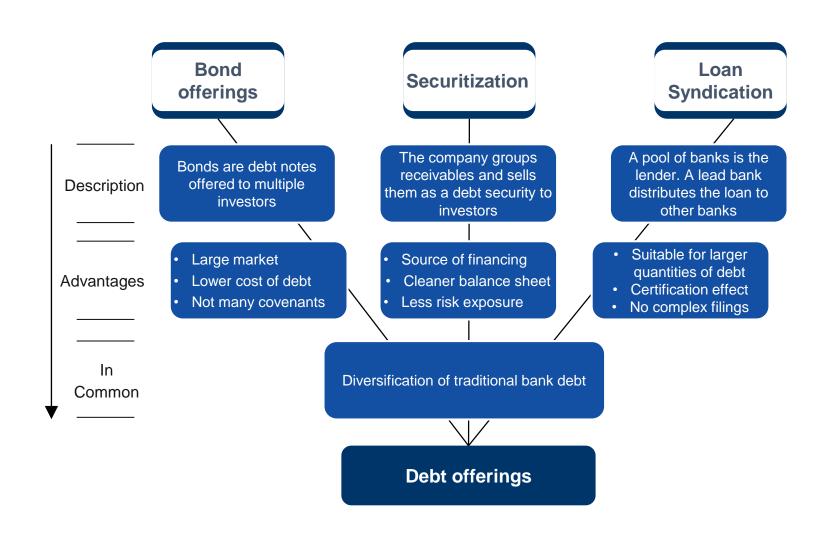
The reasons why large companies prefer bond financing

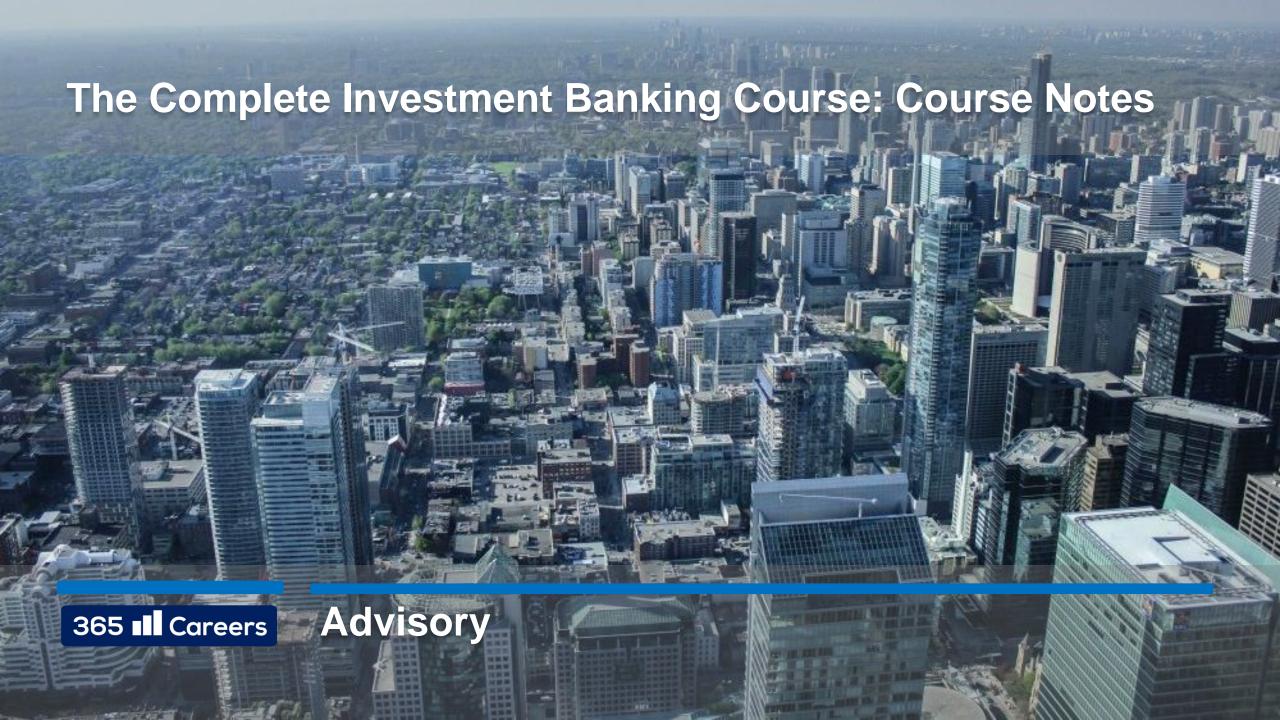




Comparison of debt offerings

Characteristics of the types of debt offerings carried out by investment banks

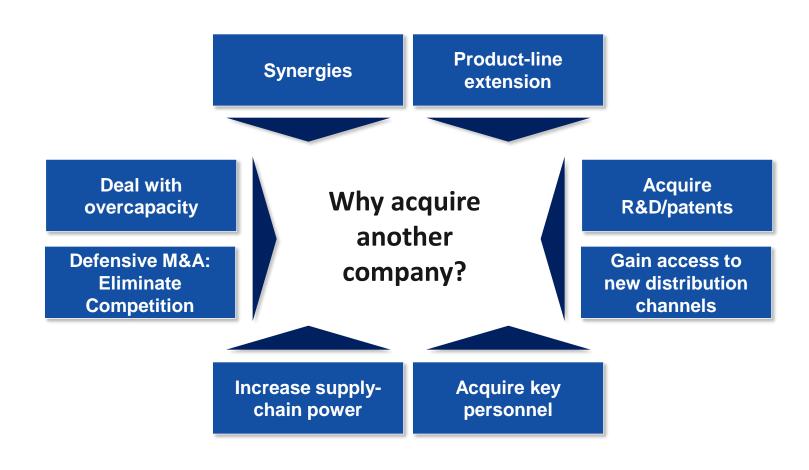




Why acquire another company?

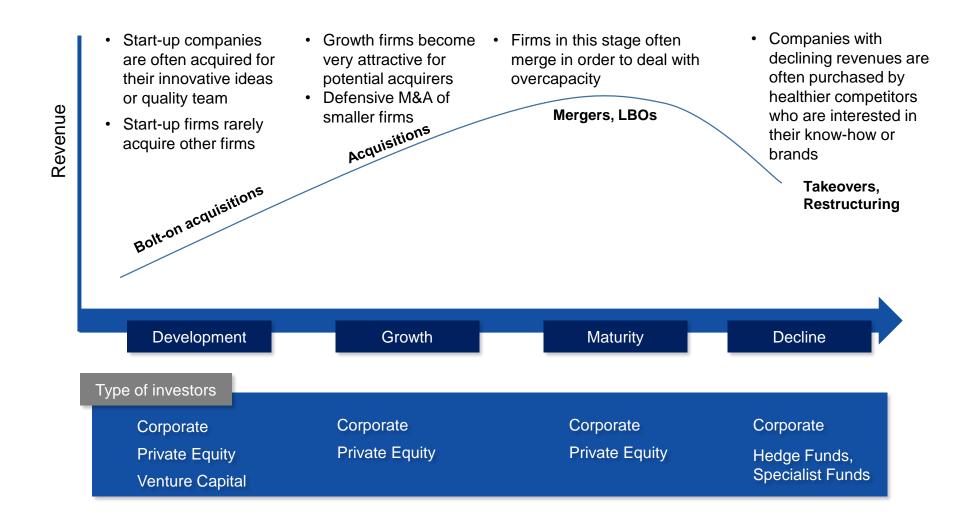
365 **■ ■** Careers

Understanding the rationale behind M&A deals



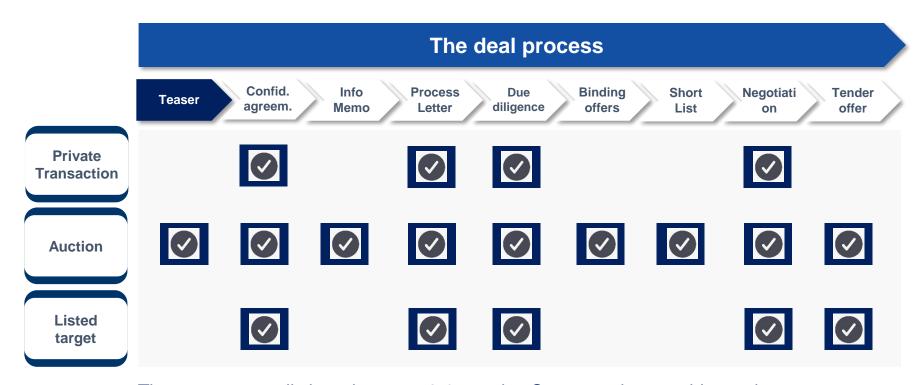
Deal lifecycle and buyers

Types of M&A deals that occur throughout a company's lifecycle



365 III Careers

Preparing a teaser offer



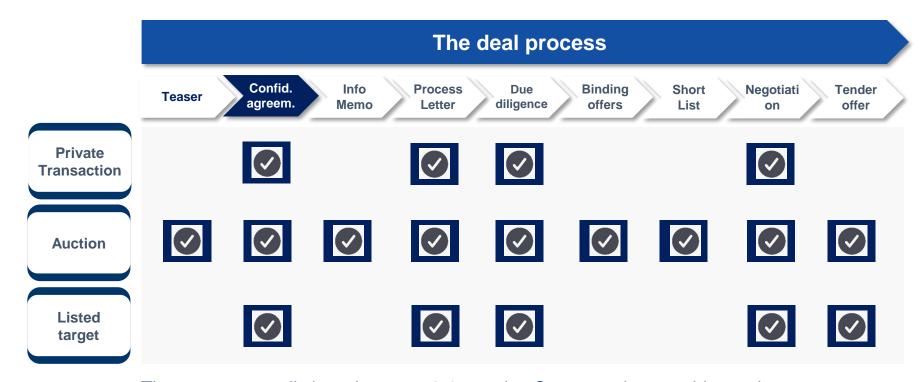
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Teaser

A brief summary of the company with a short description of its business. Often does not include the company's name

365 III Careers

Agreeing to keep a secret



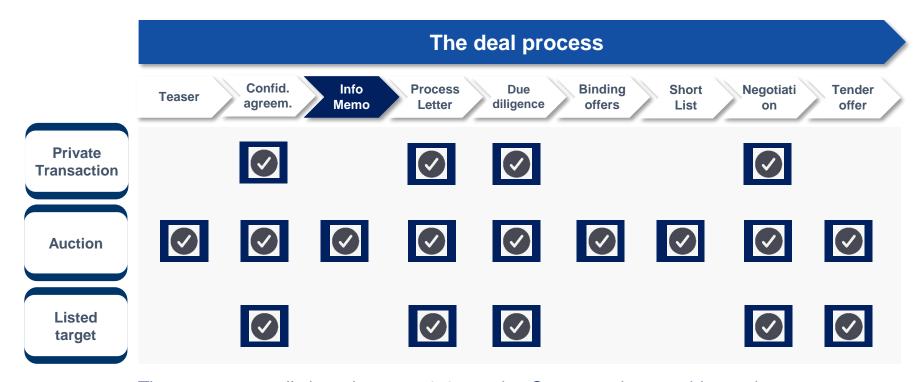
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Confidentiality agreement

An agreement not to distribute reserved information. The target needs to be assured that the access it gives to the bidders would not lead to a leakage of strategic information



Drafting and providing a more detailed description of the firm that is about to be sold



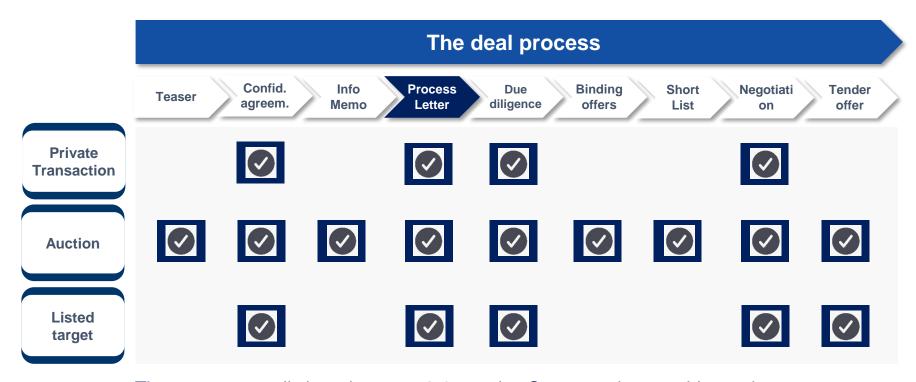
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Information Memorandum

A document providing a description of the target's business, financials, management team, product portfolio, market positioning etc.

365 III Careers

Communicating the rules of the transaction



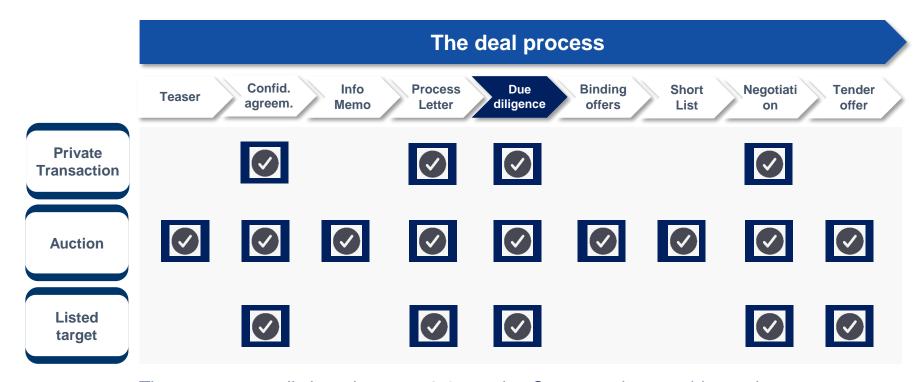
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Process Letter

Defines the essential elements of the transaction: timing, valuation range, other conditions, due diligence access

365 III Careers

Providing an inside look to potential acquirers



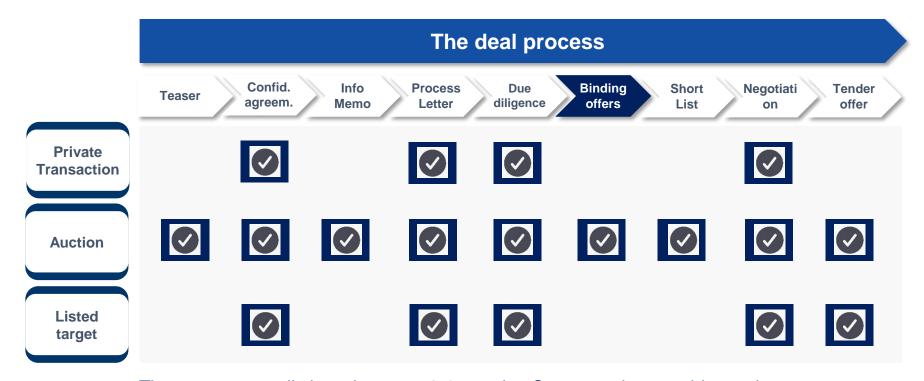
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Due Diligence

The target firm provides access (limited or full) to its financial, tax and legal documentation. Often, information about the target is provided in a data room

365 III Careers

Receiving offers from several buyers



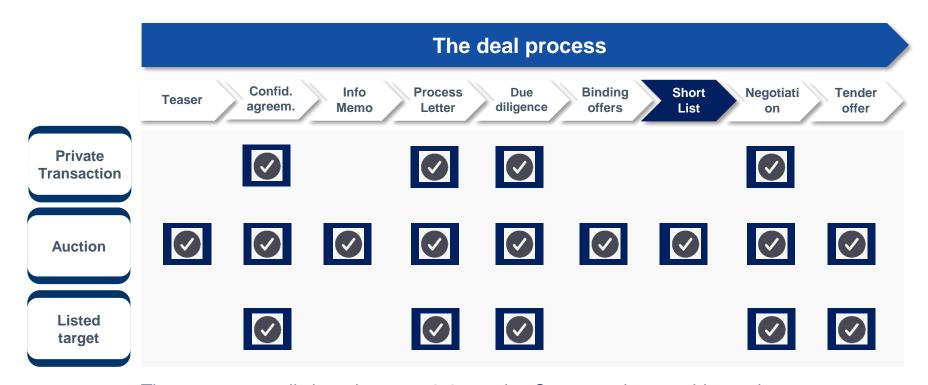
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Binding Offers

Offers made by the participants in an auction, indicating how much they are willing to offer for the target. As the name suggests, these offers are binding

365 III Careers

Choosing a selected few



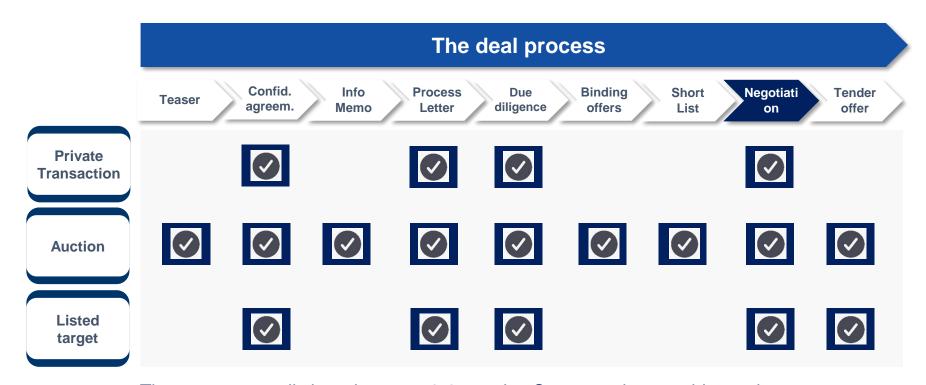
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Short List

After receiving indications about a possible valuation, the target and its advisors decide which participants will be left in the auction and will receive due diligence access

365 III Careers

Bridging financial or operational differences



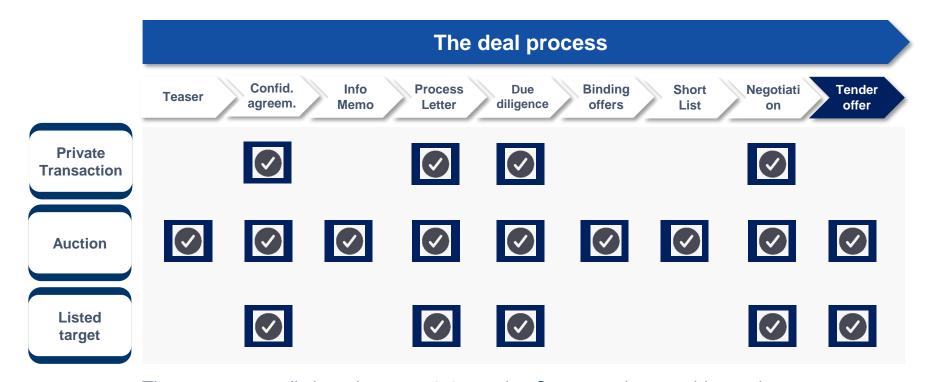
The process usually lasts between 2-6 months. Some auctions could even last up to an year

Negotiation

Negotiation includes various elements such as the structure of the price, earn-out mechanisms, price adjustment terms, etc.

365 III Careers

Approaching the shareholders of a listed firm



The process usually lasts between 2-6 months. Some auctions could even last up to an year

Tender offer

A tender offer is submitted to a listed firm. It is a public, open offer addressed to all stockholders, which offers to buy their shares at a specified price

Valuation of target companies

Different ways to value a company

Why is it necessary to perform a valuation of the target company?

Find Fair Value for the Transaction

- ✓ Find Fair Value
- ✓ Value Synergies: Corporate buyers
- ✓ Value IRR: Private equity

Approach the right Buyers

✓ Approach Bidders who could "afford" the firm

Arrange financing

- ✓ Define how much needs to be financed
- ✓ Justify financing in front of banks

Discounted Cash Flows (DCF)

Inputs:

- Top line forecast for 5-10 years,
- Estimated cost of capital
- Growth rate after the forecast period

Trading Multiples

Inputs:

- Comparable firms which are listed
- A measure indicating operating profitability (e.g. EBITDA)

Transaction Multiples

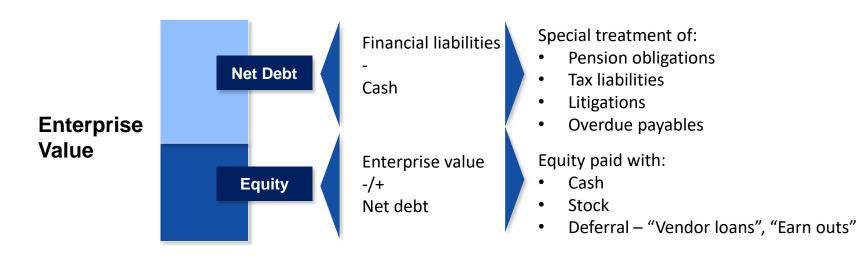
Inputs:

- Comparable firms, which have been subject to a transaction
- A measure indicating operating profitability (e.g. EBITDA)

Use a combination in order to triangulate results

Payment options in M&A deals

Different ways to pay when buying a company



Type of payment	Cash	Stock	Earn-out
Advantages	✓ Does not dilute ownership	✓ Aligns the interests of new and old ownership	✓ Aligns the interests of new and old ownership
	✓ Crystal value for seller	✓ No need for financing	√ Helps to bridge expectations
Disadvantages	If cost of debt is high, could be heavy	Dilutes ownership	 Seller needs to monitor the firm post closing
	 No upside from future performance 	Subject to valuation	Seller depends on the Buyer's management



Financial vs. Corporate Buyers

An important comparison between the two types of buyers in M&A deals

Type of Buyer	Financial Buyer	Corporate Buyer
Focus in the transaction	 Focus on cash flows, and capital gains 	Unlock synergies
Investment Horizon	• 3-5 years	Long term
Type of deal	 Full Acquisition or consortia 	 Full Acquisition, Merger, Joint Venture
Leverage in the transaction	• High	Medium
Management involvement	 Following the company through Board representatives 	 Integration of the Management of the two companies
Valuation focus	MultiplesCash flowsCost of capital	SynergiesGrowthLong term view

Restructuring: why and when

365 III Careers

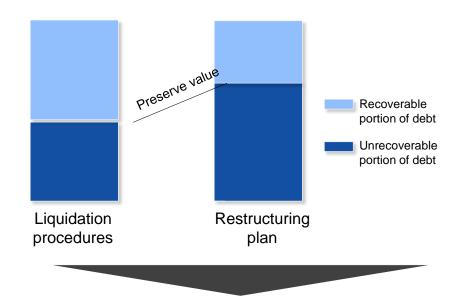
Understanding the purpose of restructuring

Which are the typical reasons for corporate distress?



Insufficient cash for operating activities

Which are the scenarios when restructuring is a viable option?



Restructuring aims to preserve the firm as a whole and repay more debt to creditors

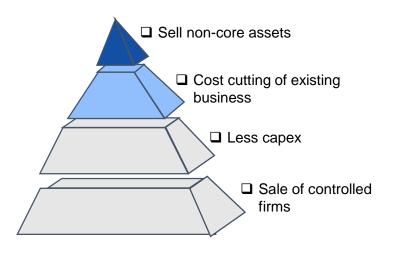
Types of restructuring

How restructuring can be carried out in practice



Asset side restructuring

Strategic importance Low High Optimization/ Cost cutting Low Divest Cash Flow generation High Coptimization/ Cost cutting Consider divesting



Liability side restructuring

An agreement between creditors to alter the conditions under which liabilities of the company will be restructured, as it will be unable to repay them in their entirety

The various options for debt restructuring are:

- Debt refinancing
- Suspending interest payments
- Debt write-off
- Debt-equity swap
- Introduce convertible bonds

Creditors need to assess 3 key parameters:

- Loss given default Liquidation
- Loss given default Restructuring
- · Probability of successful restructuring







Trading is the activity of buying and selling financial securities

Type of institution	Focus	Time Horizon	Type of trading
Investment banks –	 Market making, profit from a bid/ask spread 	Short	Brokerage
trading desk	 Take proprietary positions and profit from them 	Short	Proprietary
Asset Management	 Buy securities for clients according to their preferences for portfolio allocation Provide a low price 	Long	Brokerage
Hedge Funds	 Explore vulnerabilities in market pricing and profit from them 	Short	Proprietary

Asset Classes

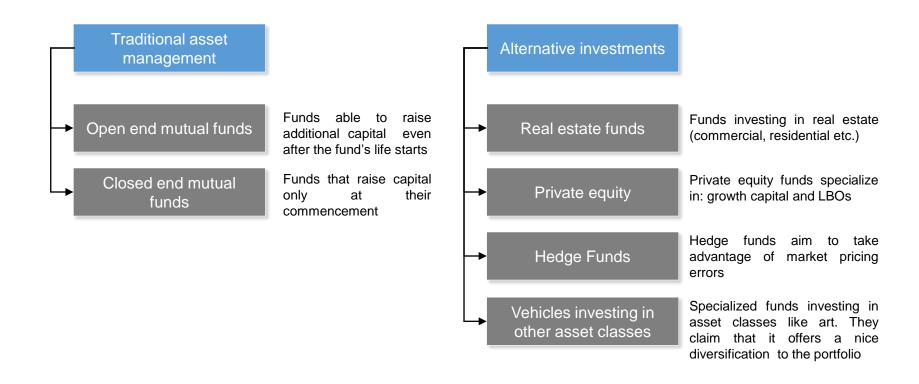
A description of the different categories of asset classes traded by investment banks

Category	Product type		Description	Typical Investors
Equition .	1	Blue chips	Well recognized and established large firms that have stable earnings. Also known as "investment grade" companies	Mutual funds, Pension funds
Equities 2	2	Other stocks	The residual universe of stocks includes all other listed companies. Among them could be distinguished Mid and Small Cap stocks that have different risk profiles	Insurance companies, Retail Investors
1 Fixed		Government bonds	Government bonds are considered as less risky, although there is a big difference between the risk profile of some governments and others. Credit Rating Agencies track the credibility of governments to repay their debt	Mutual funds, Pension funds, Insurance companies
Income 2	2	Corporate bonds	Bonds issued by corporations. Credit Rating Agencies value most of the corporations and assign them with a rating. Based on this rating, some Mutual and Pension funds can buy only certain bonds (least risky ones)	Mutual funds, Insurance companies, Retail investors
Other Financial Instruments	1	Commodities	Trading goods such as: coffee, corn, live cattle, rice, sugar, gold, silver, crude oil, gas, etc.	Companies, Commodity traders, Hedge Funds
	2	Derivative instruments	Derivative financial instruments are many and vary significantly in their nature. Some of them are used for hedging purposes by companies (in order to reduce risk), while others are for speculative reasons. Examples are forwards, futures, options, swaps, etc.	Companies, Hedge Funds





Asset Management is a heterogeneous area. Various types of vehicles provide different returns and risk profiles to investors



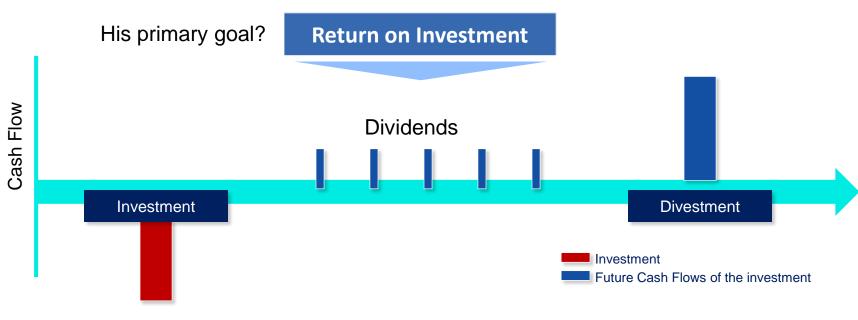
The Complete Investment Banking Course: Course Notes **Company Valuation - DCF** 365 III Careers

Why discounting future Cash Flows?

365 III Careers

The investor perspective

Let's consider that an investor wants invest in a company



Every Investor buys the shares of a company based on his expectations for future Cash Flows

Dividends are a function of future Cash Flows

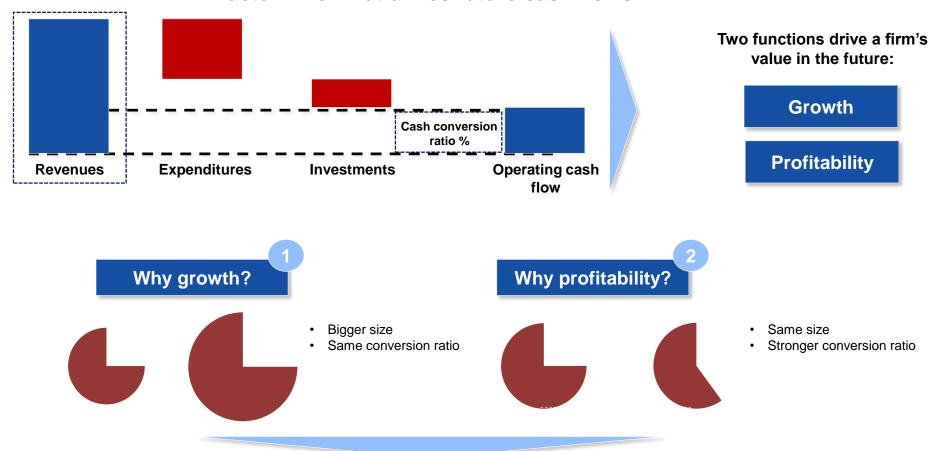
Divestment price is a function of future Cash Flows

What drives company value?

365 **III** Careers

The two parameters determining a firm's value

Given that a company's value is a function of its future cash flows, we need to determine what drives future cash flows



Higher future cash flows, higher valuation



Calculating Cash Flow: NOPAT

NOPAT = Net Operating Profit less Adjust Taxes

1 NOPAT (Net Operating Profit After Taxes) :

\$ in million	Year 1	Year 2	Year 3
Net Sales	17,022	18,341	18,549
Cost of goods sold	(9,483)	(9,822)	(9,857)
Gross Margin	7,539	8,519	8,692
Operating expenses	(3,492)	(4,394)	(4,123)
D&A	(487)	(511)	(693)
EBIT	3,560	3,614	3,876
Tax rate	35%	35%	35%
Operating taxes	(1,246)	(1,265)	(1,356)
NOPAT 1	2,314	2,349	2,520

NOPAT is a measure of operating profitability. It does not take into consideration financial structure. Interest expense is not included in the calculation above.





The cash impact of Balance Sheet items

2 Working Capital

\$ in million	Year 1	Year 2	Year 3	DeltaY1-Y2	Calculate cash effect
Account receivables	3,621	4,174	3,492	(553)	-(Receivables Y2-Receivables Y1)
Inventories	2,311	1,813	2,104	(498)	-(InventoriesY2-InventoriesY1)
Trade payables*	(3,383)	(4,207)	(3,212)	824	-(PayablesY2-PayablesY1)
Working Capital 2	2,549	1,780	2,384	(227)	

^{*}Please note that Trade Payables are with a negative sign because they are a liability

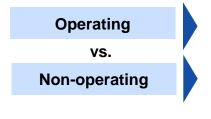
3 <u>Capital Expenditures</u>

Capital expenditure is the cost which the company sustains in order to replace old PP&E or Acquire new PP&E.



A reasonable assumption is that a growing business will need additional PP&E investments.

4 Other assets and liabilities



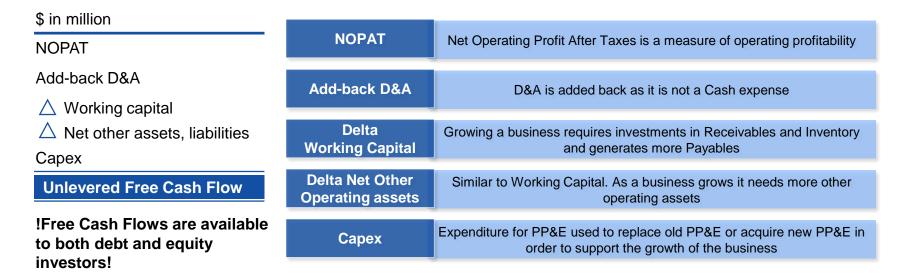
Used for the generation of Operating Cash Flows; Could be modeled as a % of revenues

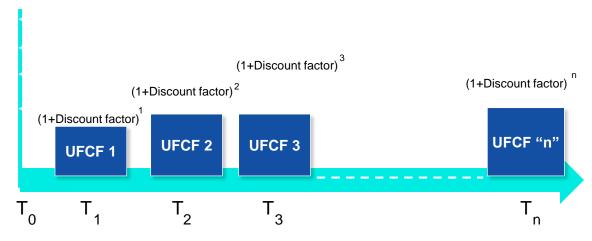
Not used for the generation of Operating Cash Flows; Their value (positive or negative) should be added/(subtracted) to Enterprise Value

365 III Careers

Calculating Cash Flow

Discounting Unlevered Free Cash Flows

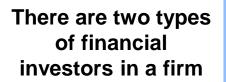




Finding a proper discount factor: WACC

365 III Careers

WACC = Weighted Average Cost of Capital



Debt investors

Equity investors

Free cash flow is available to both debt and equity investors WACC
(Weighted average cost of capital)

Takes into consideration both debt and equity investors

WACC (Weighted Average Cost of Capital) represents the opportunity cost that investors sustain for investing their funds in the firm

$$WACC = \left(\frac{D}{D+E}\right) * k_d * (1-t) + \left(\frac{E}{D+E}\right) * k_e$$

D = Amount of debt financing

E = Amount of equity financing

 k_d = Cost of debt

 k_{e} = Cost of equity

t = Tax rate



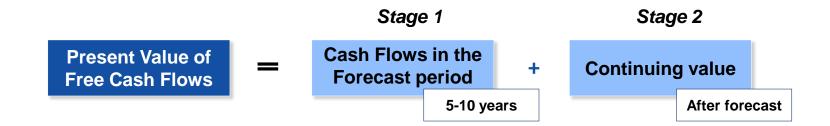
Finding cost of equity and cost of debt

The practical way to calculate cost of equity and debt

	Methodology	Needed data	Practical implementation
Cost of	Market value of debt	Bond current pricing	Use the bond's Yield to Maturity
debt	Book value of debt	Book value of Financial debt in BSInterest expense in P&L	Divide Interest expense to the amount of Financial debt
	CAPM (Capital Asset Pricing Model)	Risk-free rate	Use a 10 year government bond
Cost of equity	$k_e = r_f + eta$ $*$ Market risk Premium	Market Risk Premium	Studies show it is between 4.5% and 5.5%
equity		Company beta	A measure of the stock's volatility in relation to the market. Available in financial platforms such as Bloomberg, Thomson Reuters etc.

Two stages of DCF

Explicit forecast period + Continuing value



Description		Needed data	Math formula
Forecas period (Stage 1	the business to reach a	 Free Cash Flow Forecast (5 or 10 years WACC 	$\frac{FCF_{1}}{(1+WACC)^{1}} + \frac{FCF_{2}}{(1+WACC)^{2}} + \frac{FCF_{3}}{(1+WACC)^{3}} + \frac{FCF_{4}}{(1+WACC)^{4}} + \frac{FCF_{5}}{(1+WACC)^{5}}$
Continui Value (Stage 2	period. Often a large portion (>50%) of a company's	 Free Cash Flow Forecast for 5th year WACC Perpetuity growth rate (g) 	$\frac{FCF_5 * (1+g)}{(WACC-g)^1}$ $\frac{(1+WACC)^5}$

From Enterprise Value to Equity Value

365 III Careers

Understanding the difference between Enterprise Value and Equity Value

+ Present Value of Free Cash Flows
+ Non-operating Assets 1

Enterprise Value

- Financial debt
- Debt-like items 3

Equity Value

Non-operating Assets: These are assets that are not used in the operating business of the company

Non-operating real estate, personal cars, financial subsidiaries etc.

Financial debt: Interest-bearing financial debt

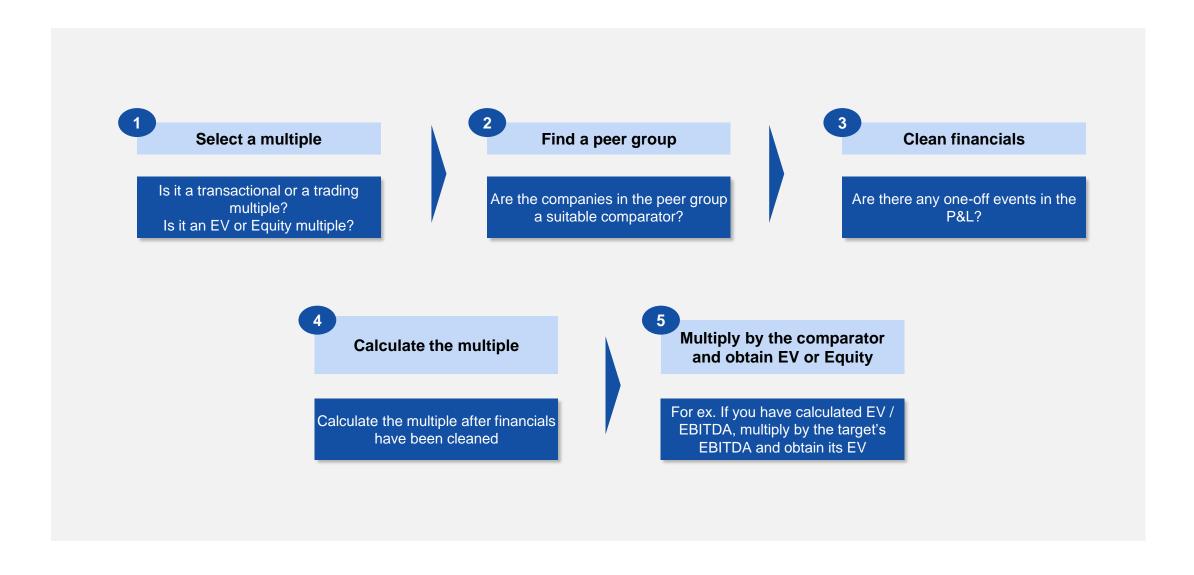
Debt to banks, Bond issues, Leases etc.

Debt-like items: Non-interest bearing liabilities that are not considered within Free Cash Flow

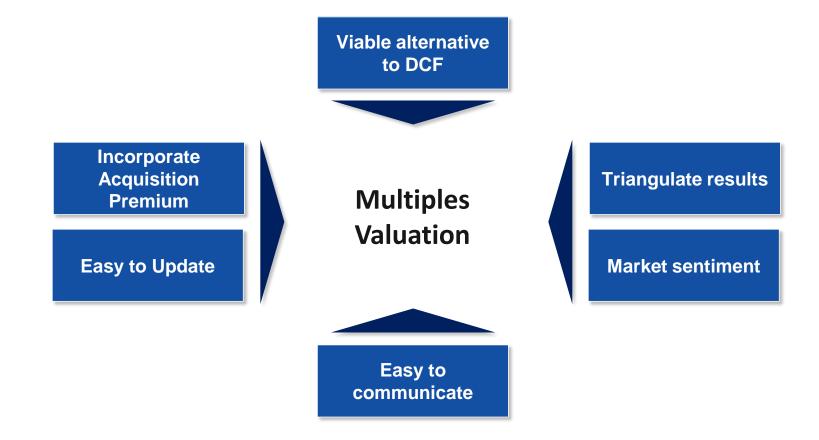
Provisions, Unfunded Pension liabilities, Liabilities from litigation, etc.



Performing multiples valuation



The advantages of using multiples





Transaction vs. Trading multiples

A comparison between the two types of multiples

Type of Multiple	Transaction Multiples	Trading Multiples
Description	 A multiple that was observed in an M&A deal 	 A multiple that is based on the stock price of a listed firm
Pros	Includes premiumShows the value of the entire firm	CurrentLarge universe of comparable firms
Cons	Difficult to find suitable transactions	Does not include premium
Cons	 Figures are not always disclosed 	 Assumes market pricing is perfect
Timing	 Not always up-to-date 	Easy to update



Enterprise Value vs. Equity Multiples

One of the subtleties of multiples valuation

Enterprise Value	Equity Value
 Debt and equity holders 	Equity holders
• EBITDA, Sales, EBIT	Net Income
Net Income	EBITDA, Sales, EBIT
Approximates cashOne-off events not considered	Easier to calculateShows owners' perspective
EV / EBITDAEV / EBITEV / Sales	Price / Earnings
	 Value Debt and equity holders EBITDA, Sales, EBIT Net Income Approximates cash One-off events not considered EV / EBITDA EV / EBIT

365 III Careers

Popular Multiples

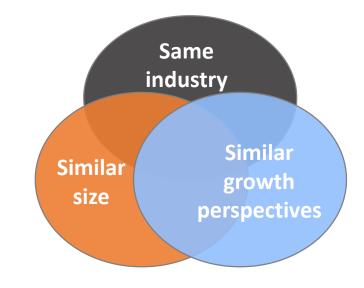
Examples of multiples used by practitioners

Multiple	Why use it?	Why not?	Popularity	
Price / Earnings	Easy to apply	 Depends on capital structure 	Very popular	
T nee / Lamings	 Represents shareholders view 	 Easily influenced by one- off events 	/ ۲	
EV / EBITDA	Considers profitability	 Does not consider items that are below EBITDA 	Very popular	
	 Not influenced by capital structure 	Difficult to apply		
EV / Sales	Can be applied in all situations (revenues cannot be negative)	Does not consider profitability	Narrow	
	 Not influenced by capital structure 		Application	
Sector Specific (number of users, MW installed, etc.)	 Good proxy for future potential 	 Does not consider profitability 	Narrow	
	Comparable across the entire industry		Application	

How do we select the right peer group?

One of the most important aspects in multiples valuation





Find 6 or 7 companies that are similar enough to the Target firm

When selecting a peer group we should look for companies that are similar in terms of:

Size **Profitability** Growth Geography of operations **Business Segment Opportunities** Solid list of comparable firms

The Complete Investment Banking Course: Course Notes







LBO is a deal in which an SPV that is predominantly financed with debt acquires a target firm that has low leverage and stable cash flows



What is an LBO?

Leveraged Buy-outs are deals, in which the acquirer of a firm uses a high portion of debt in order to finance the deal. The collateral for the debt that is being used are the target's cash flows. Lenders are willing to provide their funds because the target has a solid underlying business, which is expected to generate a stable stream of cash flows and hence they are likely to be repaid in full.

When is it feasible?

Mature companies are the ideal target for LBO transactions. They are well established in their market, and are typically generating a solid stream of cash flows. There is little room for innovation in their business so their cash needs are limited and predictable. It is reasonable to expect that the cash flows of the company can be used in order to reimburse the high leverage that is generated in an LBO transaction.





70 – 75% of the deal is financed through debt and mezzanine loans. Financial sponsors are able to acquire large companies with a minimal investment by applying significant leverage



The amount of debt in an LBO

Financial sponsors are willing to take on board as much debt as possible. However, lenders need to know that there is a sufficient amount of equity that will protect their capital and decrease the overall risk of the transaction. For every firm can be measured a so- called maximum debt capacity, which is function of the firm's cash flows and risk profile.

The lenders in an LBO

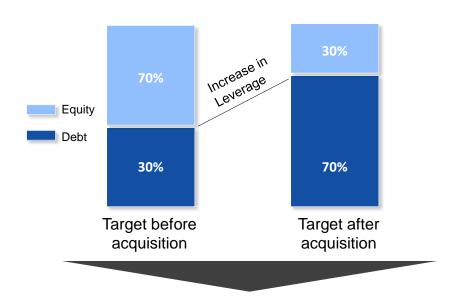
In general, LBOs are a risky business and lenders expect a good IRR. Senior lenders' remuneration will come from the spread on money market rates. They will take into consideration the initial debt drawdown amount, the holding period of the deal, the periodic interest rates they will receive, and the principal repayment that they will get at closing. Mezzanine investors have a different risk profile. They make an initial contribution, receive periodic interest rates, a principal repayment at closing of the deal, and an equity kicker. The equity kicker allows mezzanine investors to acquire shares of the Target at a predetermined price upon closing, which ensures that they participate in the upside from the deal.

The mechanics of an LBO transaction



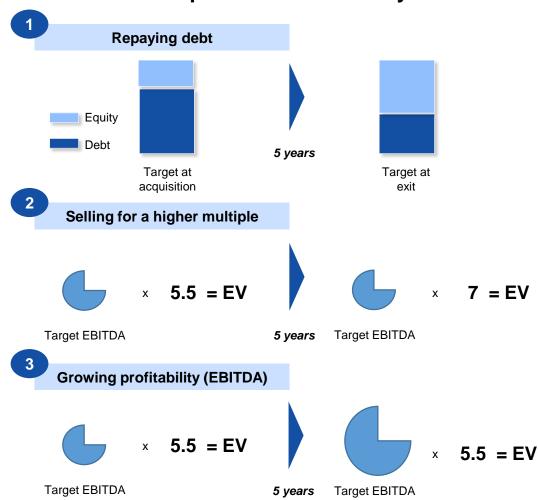
How does an LBO function and how come financial sponsors make so much money?

How does an LBO function?



Leveraged Buyouts are deals, in which the acquirer of a firm uses a high portion of debt in order to finance the deal

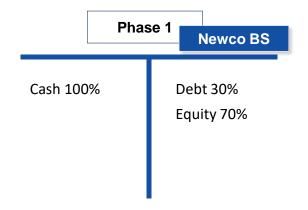
How do financial sponsors make money in an LBO?



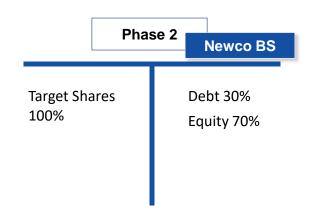
365 III Careers

Finalizing the deal

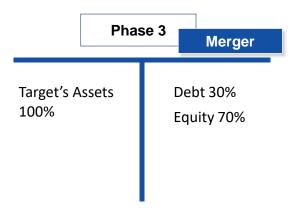
Completing an LBO deal in practice



In Phase 1, Financial Sponsors create a new company that has the cash that is necessary to complete the deal



In Phase 2, the Newco acquires all of the Target's shares



In Phase 3, the Newco and the Target are merged