Financial Management: 1. Financial Analysis

1. Financial management refers to the management of the financial resource and financial obligation of a firm in order to achieve the firm's goals.

4 Major decision and function of financial management:

- Investment decision 投資評估: where to invest
 - Afactor affecting long-term investment (1) financial factor(NPV) (2) non-financial factor(human)
- Financing decision 融資: how to obtain capital or funding
 - ☆Debt-financing: borrowing short-term or long-term debt to support firms
 - ☆ equity financing: #issuing share #internal financing e.g. use of retained profit
 - Debt+equity=Assets
- Dividend decision 分錢: how much should be paid out in dividends and in what forms
 (Distribution of profit) e.g. 派息俾股東——派幾多?自己保留? [Dividend vs retained profit]
- Working capital decision(營運資本管理)): how to manage funding for daily business operation ☆refer to daily operation E.g. *inventory management *credit policy(account payable/ receivable)
- Budgeting (no budgeting when planning~easy to over-budget)
- 2. The ultimate goal of a firm is to maximize stockholders' wealth
- 3. Profitability ratio:
- Measure the earning power of the firm
- Gross profit ratio = Gross profit \div Sale \times 100%
 - Gross profit =net sales-cost of good sold
- Net profit ratio = Net profit before $tax \div Sale \times 100\%$
 - Net profit= gross profit-expenses+revenue
 - Remark: you can find information in income statements to find net/gross profit ratio
- Return on capital employed =
 - Net profit before interest and tax ÷ Average capital employed × 100%
 - ☆calculation of capital employed
 - (1) sole proprietorship: capital balance
 - (2)Limited company: Non-current liability+shareholders' fund(detail in gearing ratio)
 - ☆measuring the ability to earn a return by utilizing capital(放一蚊落去會有幾多 return)
- Remarks: Use closing capital when there is one-year data is given
- 4. Liquidity ratio:變現能力
- ✓ Measure the firm's ability to repay short term debt
- Current(working capital) ratio = Current assets ÷ Current liabilities : 1
- ✓ E.g. 2:1 =one dollar current liability backup by two dollar current asset
- ✓ Ratio is too high: so many idle current asset—miss investment opportunities
- ✓ Ratio is too low: poor liquidity ——maybe go bankrupt

- Quick ratio = (Current assets Inventory) ÷ Current liabilities : 1
- ✓ It is a stricter measure because inventory has lowest liquidity
- ✓ Measure the ability to repay immediate debts by liquid asset
- ♦ Remark: if the ratio is greater than 1——the firm has the ability to pay short term obligation

5. Solvency ratio (償債能力):

- **✓** It measure firm's use of financial leverage
- Gearing ratio = (Non-current liabilities + Preference share capital) ÷ (Non-current liabilities + Shareholders 'fund)
- ✓ Type of shareholders (1) ordinary shareholders (2) preference shareholders
- ✓ So type of shareholder's fund (1)ordinary shareholders capital (2)preference shareholder's capital (3)retained profit
- ✓ Non current liability:一年以上 liability
- ✓ Non-current liability +shareholders fund= capital employed(as stated in profitability ratio)
- ✓ Gearing ratio measure capital 裏面唔係自己人 ratio, so the higher the gearing ratio, the greater the solvency risk

Non-current liabilities + Shareholders 'fund Debt ratio = Total liabilities ÷ Total assets

- Debt-to-equity ratio = Total liabilities ÷ Owners' equity
- Interest cover = Earnings before interest and tax (EBIT) ÷ Interest expense

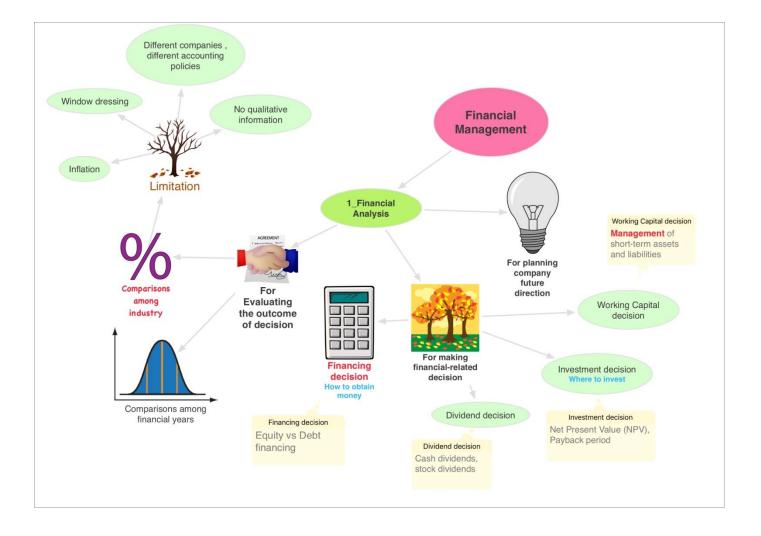
6. Management efficiency ratio:

- **✓** Measure how efficiency the firm utilize its assets
- Inventory turnover [_ times] = Cost of goods sold ÷ Average inventory
- Trade receivables turnover [_ times] = Credit sales ÷ Average trade receivables
- Trade payables turnover [_ times] = Credit purchases ÷ Average trade payables
- ✓ Not more of it is preferred, the times should be similar to industry average
- Total assets turnover [_ times] = Sales ÷ Total assets
- ✓ Remarks: assume all credit purchase/sales
- ✓ For some average data, if there is only one year data, use closing balance
- ✓ If trade payable turnover is greater than trade receivable turnover, there may be some liquidity problems
- 7. Ratio analysis includes cross-sectional analysis and time-series analysis.
- Cross-sectional analysis refers to the use of certain benchmarks to assess the performance of a firm in a given period.
- Time-series analysis refers to the use of trends in accounting ratio over time to assess the performance of a firm.

8. Limitation of ratio analysis

- Ratios cannot capture certain qualitative information about a firm
- ✓ Only reflect quantitative information
- ✓ Lack of qualitative information for example staff morale, staff management style, customer relationships
- Past data may not reflect a firm's future financial condition

- Various accounting practices make comparison of ratios form different firms difficult
- ✓ Each firm use their own accounting policy to prepare financial statements, therefore it is difficult to make intra-company comparison
- Difficult to identify industrial norms for firms with a unique mix of businesses
- Ratio analysis only helps reveal the source of a potential problem/success on the surface



Financial Management: 2 Budgeting

- 1. A budget is a forecast of future income and expenses. It is a quantitative expression of a plan.
 - Forward-looking[past figure + prediction]
 - Clear[presentation + responsibilities]
 - ▶ Seek improvement 尋求改進
 - Well-organized process[all department]
 - Comparison[actual]
 - Attainable
 - > Fine-tune

2. The purposes of budgeting

- **♦** Use of management functions
- Planning: a)financial resources b)forecast profit/loss c)prevent possible financial difficulties
 - ✓ Forecast figures provide directions for formulating action plan
- **Coordinating(Organizing)**: interrelated → communication of department managers
 - ✓ Budget information assists resources allocation and integration across various department
 - ✓ Resources allocation: form master budget(DEF: It links together and summarizes all of a firm's budget)
- ➤ Leading: qualified indicators become specific target for employees
- ➤ Controlling: a)monitor & evaluate by comparison (i.e. compare actual spending) b)identify underperforming department →remedy
 - ✓ Budget figures serve as performance standards

3. Usefulness

- > Encouraging all department to plan ahead (未雨綢繆)
- ✓ In other word, it is a base for long-term planning
- ✓ Discover potential opportunities and problems(SWOT analysis)
- ✓ E.g. a market have potential opportunities more budget for expansion
- > Improving communication and coordination within a firm
- ✓ Improve departmental communication by consensus
- ✓ Resources allocation ——more effective use
- Providing benchmarks to evaluate the performance of department and employee
- ✓ Use performance standards
- ✓ Take corrective actions to avoid overspending/underspending(better utilize of resources)
- Saving management time and effort

4. Limitation

- > Difficult to forecast the ever changing business environment
- ✓ Budget may not be able to catch up accordingly even if there is flexible budgeting(i.e. review and update regularly)

- Cannot be a substitute for sound management decision
- May hinder employees from achieving excellence
- ✓ Discourage employees from exceeding target as there is possibility of receiving higher target next year if they exceeded budgeted goals
- Adequate training for budgeting staff is need
- ✓ Budgeting staff may have made unrealistic estimates (underestimate/overestimate)
- > Costly and time consuming
- 5. **Budgeting Variance**-difference between budgeted and actual amounts [unfavorable : revenue \(/cost \)]
 - ➤ Consider: too small amount / adverse effects → cost effectiveness of investigation & correction
 - Reason: (a)poor budgeting [e.g. too optimistic] (b)uncontrollable factors [e.g. financial tsunami]

I. Causes:

Budgeting variance	Causes		
Sale variance	(1)selling price		
	e.g. tackle competitors		
	(2)sales volume		
	E.g. one off massive promotion/event		
	(3)product mix[price]		
Material variance	(1)material price : unexpectedly high		
	inflation/small discount [e.g. smaller purchase]		
	(related to suppliers supplied)		
	(2)usage : lower quality/less skilled workers[handle		
	inputs]/theft		
	✓ Wastage		
Labor variance	(1)labor wage : skills >necessary/labour union's		
	request		
	(2)labor efficiency: unsuitable /lack of training/low		
	morale/work slow		
	for overtime pay		

Remarks: All causes and changes are unexpected

II. Solutions

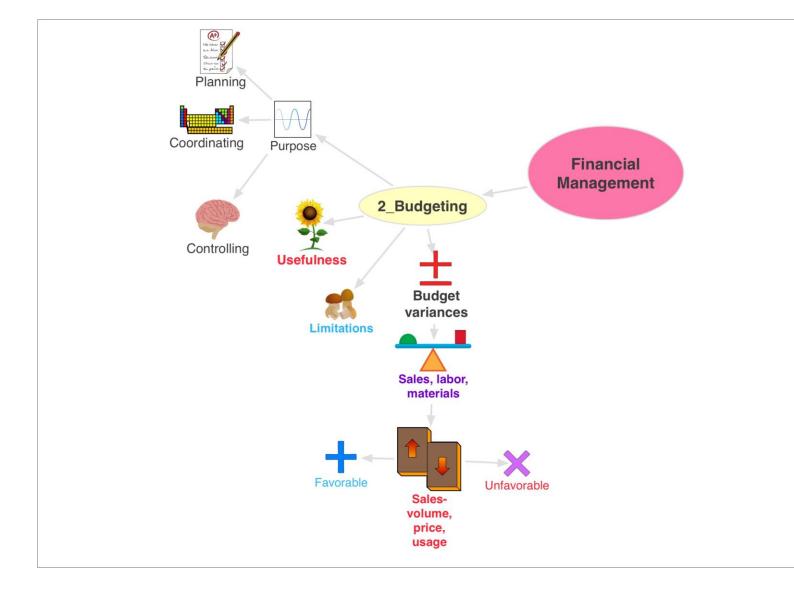
- (a) Sales-volume[competitors]:
- More promotional tactics
- ✓ More advertisement for brand recognition
- ✓ Sales promotion with greater discounts (increase sale volume in a short period)
- deeper discounts/aggressive pricing

(b) Price[input/output]:

- ➤ Bulk purchase for discount/cheaper materials in long-run/take over supplier
- ➤ Global sourcing for cheaper material
- ➤ Offer more fringe benefits (non- monetary compensation)

(c) Usage[efficiency]:

- Minimize wastage
- ➤ E.g. long labor hours →staff training/better machines
- > Refine production process



Financial Management: 3 Sources of Financing

Key on this chapter

Source of financing (comparison) 1. Debt and equity financing 2.short-term and long-term financing 3.internal and external financing

Debt financing	Funds obtained from sources other	Equity	Funds supplied by the
	than owner	financing	owners
Short-term	Capital supplied for a period less than	Long-term	Capital supplied for a period
financing	1 year	financing	more than 1 year
Internal	Funds obtained from firm's internal	External	Funds obtained from sources
financing	cash flow e.g. retained profit	financing	outside firm

♦ Principal of selecting financing methods

A. Short-term vs Long-term

- Short-term [refinancing-replacement of existing debt obligation with new one]
 - ➤ Issue commercial paper : well-know banks & corporations
 - > Short-term bank loan: small amount
 - Overdraft : withdrew > deposited [current account]
 - Accrued expenses: deferred payment for expenses [no interest cost]
 - > Trade credit: deferred payment allowed by suppliers for purchases [within credit period]
 - Factoring accounting receivable: sell A/R to financial institution at lower price[receive cash earlier]

Long-term

- ➤ Common stock : Ltd. [≠preferred stock]
- **Bonds**: Ltd.[may default : high interest rate]
- > Issue share
- **Long-term bank loan :** larger amounts
- **Use of retained profits:** undistributed
- ➤ Hire purchase: rent goods & pay by instalment over a period [for expensive assets]
 - -no ownership until full payment
 - -leasing (租): similar but never own good

	Short-term: caj	pital for period	Long-term: capital for period		
Meaning	Sources of financing that provide capital for a		Sources of financing that provide capital for a		
	period of less than one	year .	period of mo	ore than one year .	
Use	Short-ter	m needs	Financing fixed assets		
Cost	Lower [Adv.] (In	terest payments)	Higher [Disadv.] (Higher Interest rate)		
Flexibility	Higher [Adv.]	Simpler application	Lower	Still pay even no longer need	
		procedure		[Disadv.]	
		(X collateral)		Stricter screening application	
			Collateral required		
Risk	Higher refir	ancing risk	Lower refinancing risk with a		
			stable funding period		
Risk	Higher	Frequent refinancing	g Lower Stable sources of capital [
		needed [Disadv.]			

		Internal [retained profits]	:				
	internal cash flows			sources outside firm			
Example		Use of retained profit			Issue share/bond		
		Factoring account receivabl	e				
		Liquidation of fixed assets					
Use	Whenever available			Only when internal is insufficient			
Cost		Lower	Adv.	Higher Disadv.			
		(No issuing cost)		[transaction cost/interest]			
Flexibility	Higher	No need approval	Adv.	lower Approval/laws Di		Disadv.	
Freedom [decision]	Yes	No need approval/no extra owners	Adv.	No Need approval/extra owners		Disadv.	
		Careless → waste	Disadv.	Purpose disclosure +approval → careful		Adv.	
Capital raised	Less Disadv.			More Adv.			

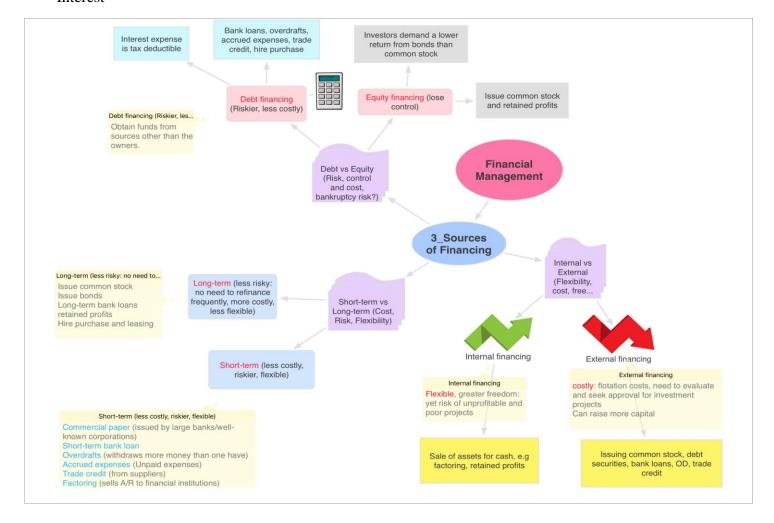
Debt vs Equity [Debt : all except common stock &retained profits]

	Debt [bonds] : sources other than other			Equity [common stock] : owners			
Use	Low risk of bankruptcy [inexpensive : low			High risk of bankruptcy [avoid high			
	cost			interest]			
Risk [financial	Higher	-periodical interest	Disadv.	Lower	Lower -variable & not Adv.		
burden]		-repay principal at			guaranteed		
		maturity		-no maturity			
Control	Unaffected	Creditor :no voting	Adv.	Reduced	uced -stockholders:		
		right			voting right		
				-risk : being taken			
				over			
Cost	Lower	- return demanded	Adv.	higher Distribution of net		Disadv.	
		[secured interest &		profit			
		repayment priority]		_can't reduce tax			
		-tax deductible interest					

Remarks: Debt financing

✓ Maturity date

✓ Interest



Financial chapter 4-capital investment appraisal

Capital investment: long term investment related to production or operation: fixed asset - > productivity up - > profitability up

A. factor to consider (investing)

Financial (timing: lack cash- > spread over year)

- a) **cost [cash outflow]:** amount + timing (initial [purchase, install]+ subsequent (maintenance)
- b) **Income [cash inflow]**: amount + timing (indirect income: cost of reduction relative to old assets)
- c) **Duration:** lock up capital for long time-> give up other projects.
- d) Time value of money(cost of capital) -a dollar received Today is worth more than to receive future (solution find PV of cash flows-> higher discount rate = lower return)
- e) Uncertain future cash Flows->demand for higher return->X invest if<required return.
- f) Initial cash outlay: purchase price
- g) Opportunity cost: consider alternative with highest return

Non-financial may ignore profitability

- a) **Strategic goals** (eliminate threats, leadership)
- b) Regulatory compliance: environment and Safety ->best invest to avoid being sued and fined.
- c) **Industry standard:** quality ->competitiveness -> consumers' confidence
- d) business image
- e) Staff morale: workplace (equipment)->unquantifiable impacts

B. Capital investment appraisal- analyzing best capital investment projects budgeting

Cash Flows (CF): cash receipts and payments during investment period -> additional cash Flows instead of profits: actual amounts -> no accounting principles (no depreciation)

Depreciation: systematic allocation of cost of non- current asset over its useful life.

- 1. Account rate of return- average annual net profit generated per dollar for average investment.
- ✓ Use accounting approach to calculate the return rate of the project

Rule a) target rate (comparison): acceptable when \geq

b) Mutually exclusive: choose higher ARR

2. Payback period

✓ Evaluate the number of years required to recover the investment

Rules: a) set minimum period allowed (comparison): acceptable when≤.

b)two mutually exclusive project: choose shorter period.

C)Shorter the payback period, better the project to be

Initial cost/ cash flow per year [If constant CF]

Initial cost over cash Flows from year 1 to (x-1)+ remaining cost/cash flow from year X [year X: total CF \geq cost]

- 3. Net present value-present value of Future net cash inflows, less the initial outlay.
- = total PV of annual net cash inflows + PV of residual value initial cost.

$$NPV = -C_0 + \frac{C_1}{(1+r)^1} + \frac{C_2}{(1+r)^2} + \dots + \frac{C_T}{(1+r)^T}$$

a)NPV<0: rejected project

b) NPV ≥ 0 : accept project

c) mutually exclusive (all positive) : choose higher NPV

Co: Initial cash cuttory

(A - NPV +)

C1....Cn: Net cash flow

(cash inflow / cash outflow)

(A - NPV +)

1: Discount rate / cost of capital

(A - NPV P)

n: Projected life

(P - NPV P)

- ✓ Use discounted cash flow to access whether the project brings an increase in net worth
- 4. **Internal rate of return**: discount rate at Which NPV is zero

NPV: \$ vs IRR:%

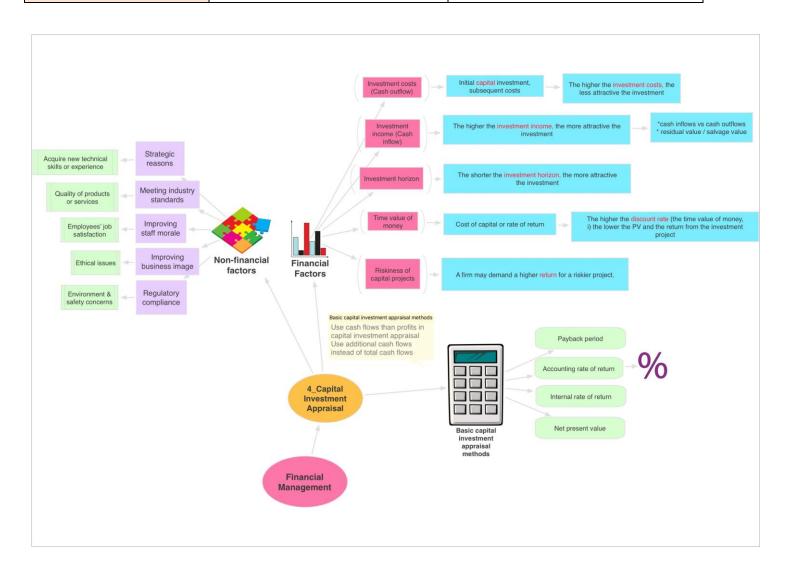
Rules A) IRR≥ required rate of return: accept

B) Mutually exclusive: choose higher IRR

C) Comparison between 4 methods

		Pros	Cons
-	ARR	✓ Easier to use	✓ Profits use instead of cash flow
		✓ simple calculation(vs	✓ ignore time value of money
		IRR/NPV)	
		✓ easy to understand	
-	Payback period	✓ Easier to use	✓ Ignore time value of money
		✓ Simple calculation	(Vs NPV/ IRR)
		✓ Easier to understand(years)	✓ Ignored cash Flows after payback
		✓ Identify riskiness	period(VS NRV/IRR)
		(longer=risker)	✓ Random and subjective criteria
		✓ Cash for reinvestment +(with	for target
		shorter period)	
	NPV	✓ Most reliable	✓ Difficult calculation (estimation

	✓ Consider time value of money	of cost of capital/discounted rate)
	(Vs ARR and payback period)	✓ Difficult to understand (no%)
	✓ Considered all cash Flows	
	(Vs payback period ~more	
	comprehensive)	
	✓ Directly linked to firm value	
· IRR	✓ Consider time value of money	✓ Difficult calculation(trials errors,
	✓ Considered all cash Flows	assumptions)
	✓ Easy to understand (%)	Or multiple IRR may appear when
		cash flow change from positive to
		negative
		✓ can't reflect actual increase in
		firm value(vs NPV)



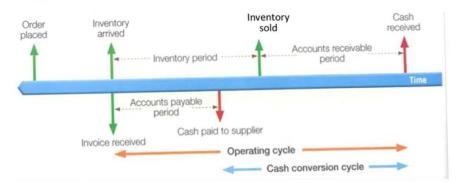
Chapter 5-working capital management

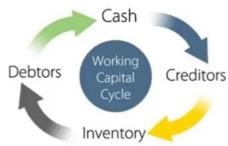
Working capital Management: simultaneous management of current asset and liabilities

Net working capital = current assets - current liabilities

Cycles: shorter = higher management efficiency & liquidity

Operating Cycle & Conversion Cycle





Operating cycle and cash conversion cycle

Operating cycle: number of days a firm needs to transform its inventory to cash **Cash conversion cycle:** period between cash disbursements and cash collection

A. Cash management cash -collection and disbursement 支出

I. Goal (holding cash): adequate cash for operations at minimum level of idle cash (cost)
 Benefits: transaction and meet unexpected needs, lower risk of cash shortfall, higher liquidity
 Costs: can't invest, forgo interest income, lower profitability

Management of Float

II. Float lag between time of cheque being sent by payers and Money being sent by recipient (because of taking time to deliver by Email and process for banking system - > available to use after clearance)

Cheque clearance exchanges of cheque and settlement of cheque payments between banks

Correction float [inflow: receive] vs **disbursement float** [outflow: draw]

payers: prefer lengthening disbursement float - > much cash for longer time **recipient:** prefer shortening collection float - > much cash for shorten time.

III. Principles

a) speed up cash inflows (receive cash from customers)

shortening collection float

- $\sqrt{\text{delivery time: payment collection centers in Major cities (cut mail delivery)}}$
- \bullet Velearing time for cheque deposit before daily cut off time at bank

Encouraging cash payments

- \tag{cash payments [instant cash and decrease service charges (credit card operators]]
- Membership card accumulate points for redeeming gifts by paying by cash / octopus
- Express check-out counter for cash purchases

b) delay cash outflows (as long as not upsetting suppliers)

Higher disbursement float (keep the cash for longer)

- delivery time : disbursement centers in remote cities
- clearing time↑: Friday payment > cheque can't be deposited and cleared over weekend

c) match timing & account of cash inflows and outflows

sufficient to meet cash outflows

IV. Cash budgeting project for both cash receipts and payments

- Cash budge: foresee future cash balance
- Ending Cash Balance = cash expected to hold at the end of period
- Minimum Cash Balance required = cash desired to hold
- Cash surplus(/deficiency) = ending minimum(+ =surplus,- =deficiency)

a) Actions to deal with cash surplus or deficiency

Surplus: invest in <u>marketable securities (MS)</u> -> lower cash Balance -> lower opportunity cost \checkmark

☆MS-short term investment that can be easily &quickly converted into cash

Deficit: additional financing needed eg short term bank loan

b) Importance

Surplus: plan for short term investment-> more time to analyse project **Deficit**: plan for short term loan->more time to analyze financial options

$B)\ account\ receivable\ management-formulation\ of\ accounts\ receivable\ policy(\ credit\ policy)$

I.elements

a) Credit standard- minimum level of credit worthless of customer to obtain credit from firm to avoid bad debt (A/R uncollectable)

5Cs

capital: amount & quality of capital Invested by customer in own firm

capacity: repayment ability (cash flow, payment history)

collateral: physical/ financial assets -> greater value than loan -> secure

conditions: economic environment and intended purpose of loan.

character: subjective judgment of customers' character-> trustworthiness of customers (personal

history, experiences)

b) credit terms: states repayment conditions for purchasing on credit.

credit period: time period within which debtor has to settle payment

cash discount: discount given to debtor for paying within cash discount period

Cash discount period: time period in which debtor has to pay for (<credit period->encourage early payment

c) Collection policy: guidelines on actions for collecting overdue A/R before becoming bad debt (friendly reminder/ Warning letters/ visiting office/ collection agency/ legal action)

Lenient Credit policy

- ✓ More credit sales with a longer credit period and lower credit standard
- ✓ Sales increase due to greater payment flexibility
- ✓ More fund tie up in account receivable due to longer collection period
- ✓ Higher debt-collection costs as well as default risk

> Stricter credit policy

- ✓ Limited credit sales with a shorter credit period and higher credit standard
- ✓ Lower collection cost and smaller bad debt loss
- ✓ Sales may get hurt since customers are either denied credit or given small credit

II. Factors affecting formulation of A/R policy

	Granting trade credit	Credit standard ↓	Credit perio	d^ Credit discount			
	^			Volume↑			
Sales	-Flexible Easier Attractive			Attractive			
	-Settle later->attractive			(purc	chasing price -)		
Liquidity	↓(pay later) -				↑(earlier)		
	↓	Uncertain					
Profitability		[Sales vs bad debt & opportunity cost]					
	Forgo potential loss						
		↑	↑	↓			
A/R & bad debt	↑				+		

C) account payable management- formulation of account payment policy [discount: implicit cost]

[☆]A/P policy: governs procedure for making credit purchase and repaying A/P

- a) Taking discount (repay earlier): when borrowing rate < annual rate of cash discount
 - -Purchasing costs \bigvee X loan interest \bigwedge [need \supset \$ because of lost short term financing] & forgo investment return
- b) giving up discount(keep cash):when borrowing rate >annual rate of cash discount

D) inventory management: management of raw materials ,work in progress and finished goods

☆a) adequate lv: Unexpected demand to avoid loss of sales(stock depletion and production stoppage)
 ☆b) minimize order (storage), liquidity+

I. Economic Order Quantity Model (EOQ)

Finding optimal order quantity to minimize total inventory costs

Ordering costs – costs of placing order for inventory from suppliers [per order] (F x $\frac{D}{Q}$)

• Eg Shipping cost

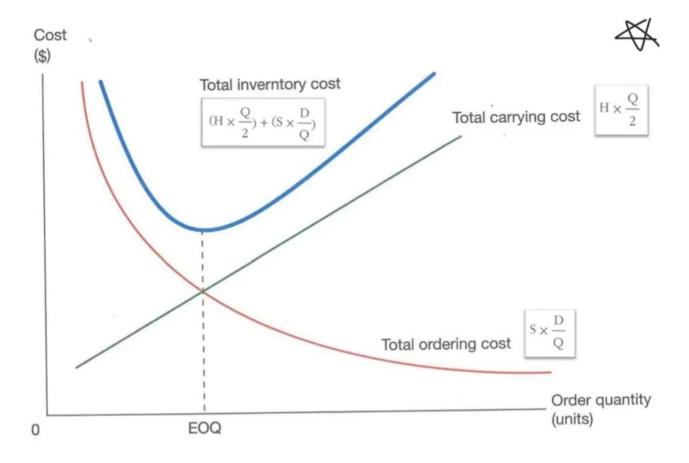
Carrying costs – costs of holding inventory for certain time period [per unit] = C x $\frac{Q}{2}$

☆ storage / insurance / loss [deterioration & obsolescence] / opportunity costs of tying up money

☆ Q ↑ avg. inventory held ↑ → annual carrying costs ↑

EOQ [order Q with min. total inventory cost] : total ordering \$ = total carrying \$

☆ D = Annual Demand, F= Ordering \$ per order, C= carrying \$ per unit



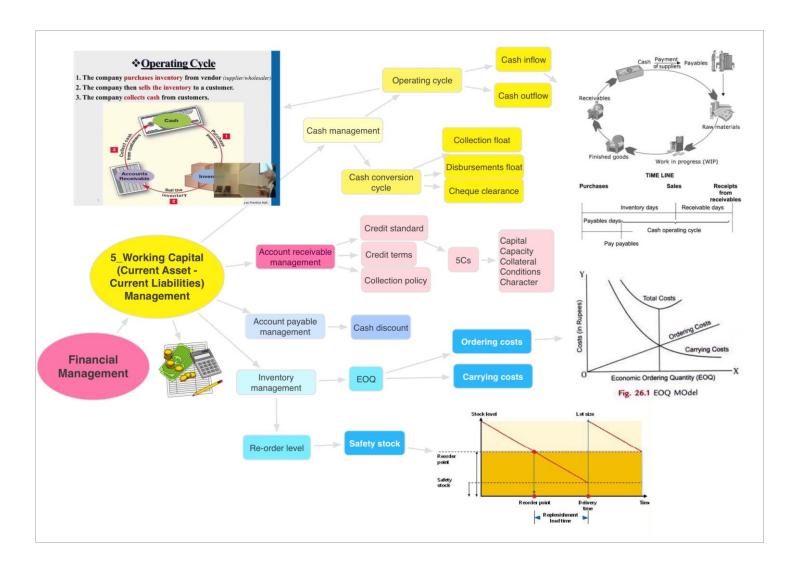
☆ Total Inventory Costs = $(Fx \frac{D}{Q}) + (Cx \frac{Q}{2})$

$$? Q* = EOQ = \sqrt{\frac{2DF}{c}}$$

II. Re-order level – inventory level at which a firm should restore its inventory

☆ = (Daily Usage x No. of Days for Delivery [lead time] + safety stock

☆ sales ↑, delay of inventory delivery, production stoppage of inputs



Chapter 6 Risk Management

Risk Management- identifying and assessing risk faced by firm, and developing measures to minimize

losses

☆ Risk: uncertainty of possibility of suffering loss

A. Process

- i. **Identifying** (e.g ratio analysis)
- ii. **Measuring**: lower frequency [probability of loss] ≈ higher severity [extent of loss] e.g tsunami
- iii. Controlling: most cost effective measure [potential loss vs costs of Risk control]

B. Types

- i. Pure vs speculative
 - a) pure risk- only involved possibility of loss or loan loss
 - i) **personal**: possibility of illness /injuries /death (e.g. owner / key employee)
 - ii) property: possibility of property being damaged / destroyed / stolen (e.g premises, inventory, cash)
 - iii) **liability**: possibility of being legally liable to compensate for damaging ppl's property/injuring ppl

 ☆ [accidents (hospital: medical, phone manufacturer: explosion, construction: industrial)]
 - b) Speculative risk- include the possibilities of loss and gain
 - e.g. interest rate, exchange rate, public policy

ii. 2. Insurable vs non insurable

Insurance - individual or firm transfer risk kr loss to insurance company in exchange for a fee

Insurance: losses covered in insurance policy and covered amount

Five conditions of insurable risk

- a) **non speculate:** otherwise guaranteed to gain from speculation.
- b) Accidental and uncontrollable: no accurate prediction& not intentionally cause by insured.
- c) **Probability of occurrence can be estimated:** predict number of claims and premium to ensure profitability
- d) Infrequent and significant enough loss: otherwise administrative costs> Premium income
- e) Acceptable number of insured at same time: otherwise unaffordable to compensate(war)

C. controlling[factor to consider :cost of control, balance of strategies]

i. Risk avoidance :eliminating risk of loss[non engaged]

Loss frequency-

Loss Resort: always not taking risk->profitability-

ii. Risk reduction- reducing risk of loss(education and training)

Loss prevention: frequency-

Loss reduction: severity-(fire-> fire automatic sprinkler system to reduce damage)

iii. Risk assumption -baring risk of loss[set aside an amount to cover potential losses]

·self-insured

·won't affect loss frequency/severity

· Foreign insignificant and bearable losses without other strategies-> a necessary cost of Risk control-

iv. Risk transfer: transferring risk or loss to another party[insurance, contract]

Eg: hold harmless provision

D. company available insurance for business

- a) Motor insurance: protect drivers and third parties Against losses from car thefts & accident
 - i. Third Party Insurance for auto mobile: compensation for damages of third parties
 - ii. Comprehensive insurance=1+ damages of insured own vehicle

b) Fidelity guarantee insurance: compensate employer for loss due to dishonest employees

Eg: cashiers: handle much money -> probably for fraud / theft

c) Library insurance

- i. public library insurance: compensation for damages to public
- ii. employees compensation insurance: compensation for injuries/death of employees at work

