

Brief Introduction



Exam-importance ranking:

- > Session 8: Reading 28 31
- > Session 7: Reading 24 27
- ➤ Session 6: Reading 21 23
- ➤ Session 9: Reading 32 33

Brief Introduction



考纲对比:

- ▶ 与2016年相比,2017年的考纲变化如下:
- 2017年财报的考纲和2016年几乎一致,但由于在2015年发生了较大变化,主要是加入了二级中存货计量方法转换的相应内容,要求考生更多的关注存货计量方法发生变化后对于财务报表的影响,我们仍然需要关注此项变化。

Brief Introduction

推荐阅读:

- > 《国际财务报表分析》
 - Robinson T.R. 等著
 - ISBN: 978-7-1114-6112-8
 - 机械工业出版社



Brief Introduction



学习建议:

- 本门课程难度比较高,知识点的记忆与理解并重;
- > 注意各个知识点之间的关联,需加强总结;
- 如遇到一遍没听懂的,建议重听一到两遍;
- ▶ 听课与做题相结合,但并不建议"刷题";
- ▶ 最重要的,认真、仔细的听课。



Brief Introduction



Life is short. If there was ever a moment to follow your passion and do something that matters to you, that moment is now.

人生苦短,如果你有一个机会跟随自己的激情去做你认 为重要的事情,那么这个机会就是现在。

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The roles of financial reporting and financial statement analysis & key financial statements

Tasks:

- Describe the roles of financial reporting and financial statement analysis.
- Describe the roles of the key financial statements in evaluating a company's performance and financial position.

The roles of financial reporting and analysis



Definition of financial reporting (IASB)

- The way companies show their financial performance to investors, creditors, and other interested parties.
- Objectives of financial statement is to provide information about:
 - ✓ Financial position
 - ✓ Financial performance
 - ✓ Changes in financial position of an entity

The role of financial reporting analysis

Using the information in a company's financial statements, alone with other relevant information, to make economic decisions.



key financial statements



Financial reports

Balance sheet, Income statement, Cash flow statement, Statement of change in equity.

Supplemental disclosures

Footnotes, MD&A, Press release, conference call, Auditor's Report.



key financial statements



Balance sheet

Presents a company's current financial position by disclosing the resources the company controls (Assets) and its obligations to the other creditors (Liabilities) at a specific point of time.

Income statement/P&L

Reports on the financial performance of the firm over a period of time.

key financial statements



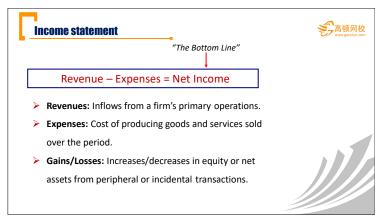
Cash flow statement

Reports the company's cash receipts and payments over a period of time.

Statement of changes in equity

Reports the amounts and sources of changes in equity investors' investment in the firm over a period of time.



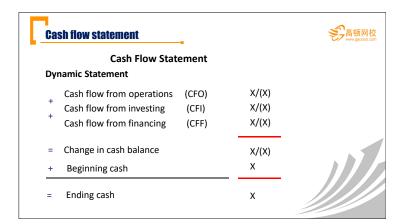


Statement of comprehensive income



Statement of comprehensive income

- Reports all changes in equity except for shareholder transactions. (eg: issuing stock, repurchasing stock)
- Comprehensive income= Net Income + Other comprehensive income



Statement of changes in equity



Statement change in equity

- The statement of change in equity reports the amount and sources of changes in equity investors' investment in the firm over a period of time.
- > The basic components of owners' equity are paid-in capital and retained earnings.

	Retained Earning	OCI	Capital
Beginning	2000	300	4000
Profit during the year	300	100	
Owner Contribution			2000
Ending	2300	400	6000





- Conten
 - The roles of financial reporting and financial statement analysis.
 - key financial statements (四张报表)
- Exam tips:
- · 是FSA这门课的导入和介绍;
- 注意区分四张报表的特征,记忆相应的会计元素。







Supplementary Information of Financial Statement

Tasks:

- Describe the importance of financial statement notes and supplementary information.
- Describe the objective of audits of financial statements, the types of audit reports.

Supplemental disclosure



Footnotes

- Disclosures that provide further details about the information summarized in the financial statements
 - Information about accounting methods, assumptions and estimate.
 - Additional information about business acquisition or disposal, legal actions, employee benefit plans (DB), etc.
 - · Are audited.

Supplemental disclosure



MD&A(management's discussion and analysis)

- Including the nature of business, past performance, and future outlook. (part of commentary may be unaudited)
 - Providing assessment of the financial performance from the perspective of its management.
 - Discussion of trends in sales and expense.
 - Capital resource and liquidity, with a discussion of trends in cash flow.
 - Business overview based on known trends.
 - Material events and uncertainties.

Audit & Internal control



Audit

- An independent review of an entity's financial statements.(objective, fairness and reliability)
- Must provide opinion on company's internal controls under U.S. GAAP



Audit & Internal control



Standard auditor's opinion (reasonable assurance)

- Unqualified opinion (clean opinion): Free from material omissions and errors.
- Qualified opinion: If statements make any exceptions to the accounting principles.
- Adverse opinion: If statements are not presented fairly.
- > Disclaimer of opinion: unable to express and opinion.

Other relevant information



Quarterly or semiannual reports

The most updated information on the major financial statement and footnotes.

SEC filings

- > Form 8-K
 - · Acquisitions and disposals of major assets.
 - · Changes in its management.
 - Changes in corporate governance.
- Form 10-K
- Annual financial statements. (Audited)
- Form 10-Q
 - · Quarterly financial statements. (Not necessarily audited)

Other relevant information



Proxy statements

- Issued to shareholders when there are matters that require a share holder vote.
- Providing information about board members, management compensation and issuance of stock options.

Corporate reports and press releases

Public relationship

Other necessary information

Information on economic condition, industry and competitors.

Financial statement analysis framework



- 1. Purpose and Context of Analysis
- Collect Data
- 3. Process Data
- 4. Analyze/Interpret Data
- 5. Conclusions and Recommendations
- 5. Update analysis periodically





- ➤ Importance: ☆☆
- Content:
- Financial statement notes and supplementary information.
- The objective of audits of financial statements, the types of audit reports and other sources of information.
- Exam tips:
- 辨析Footnotes和MD&A所包含的信息及内容。
- 记忆审计报告的特点和意见。
- 了解SEC Filings。





Financial Statement Elements & Accounting Equation

Tasks:

- Describe relationship of financial statement elements and accounts.
- Explain the accounting equation in its basic and expanded forms.



Financial statement elements



Accounts are the specific records within each element where various transactions are entered.

Eg: "Inventory", "Account Payable"

Contra accounts are used for entries that offset some part of

the value of another account.

Eg: "Accumulative Depreciation"

Classifying accounts into the financial statement elements.

Assets, Liability, Owners' equity, Revenue, Expense





Assets are the firm's economic resources

- Cash and cash equivalents
 - · Liquid securities with 90 days or cash.
- Account receivable
 - · Allowance for bad debt expense as a contra account.
- Inventory
- Financial assets
 - · Such as marketable securities.
- Prepaid expense
 - · Expense on future income statement.



Financial statement elements



Assets are the firm's economic resources

- Property, Plant, and equipment. (PP&E)
 - Includes a contra account for accumulated depreciation.
- > Investment in affiliates (Equity method)
- Deferred tax assets
- Intangible assets
 - · Patents, trademarks, licenses, and goodwill.
 - · Reduced by "accumulative amortization" except goodwill.

Financial statement elements



Liabilities are creditor claims on the company's resource

- Account payable
- Financial liabilities
 - · Such as short-term notes payable.
- Unearned revenue
 - Items that will show up on future income statement as revenues.
- Income tax payable
 - · Taxes accrued during the past year but not yet paid.
- Long-term debt
 - Such as bonds payable.
- Deferred tax liabilities

Financial statement elements



Owners' equity is the owners' residual claim on a firm's resources, which is the amount by which assets exceed liabilities.

- - ·Par value of common stock.
- >Additional paid-in capital
 - •Proceeds from common stock sales in excess of par value.
- ➤ Retained earnings
 - Cumulative net income that has not been distributed as dividends.

To the Next Page

Financial statement elements



Owners' equity is the owners' residual claim on a firm's resources, which is the amount by which assets exceed liabilities.

- > Other comprehensive income
- · Changes resulting from foreign currency translation, minimum pension liability adjustment, unrealized gains and losses from cash flow hedging derivatives, or unrealized gain and losses from available-for-sale securities.



Financial statement elements



Expenses are outflows of economic resources

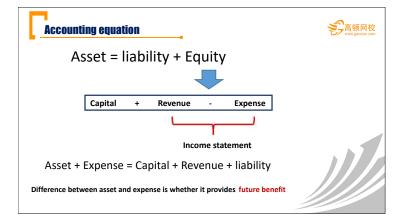
- Cost of goods sold (COGS)
- Selling, general, and administrative expenses (SG&A)
 - Including such expenses as advertising, management salaries, rent, and utilities.
- Depreciation and amortization
 - To reflect the "using up" of tangible and intangible assets.
- Tax expense
- Interest expense
- Losses
 - Decreases in assets from transactions incidental to the firm's day-to-day activities.

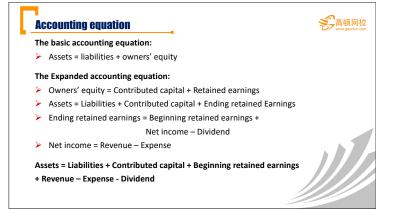
Financial statement elements



Gains are inflows of economic resources

- Sales
 - Revenue
- Gains
 - Increases in assets from transactions incidental to the firm's day-to-day activities.







➤ Importance: ☆☆

Content:

- Financial statement elements and accounts, and classify accounts into the financial statement elements.
- · Accounting equation in its basic and expanded forms.
- Exam tips:
- 辨析各类会计要素下的不同科目。
- 记忆会计恒等式以及其扩展形式。(常考计算题)

Accrual Accounting Tasks: Describe the process of recording business transactions using an accounting system based on the accounting equation. Describe the need for accruals and other adjustments in preparing financial statements.

Double – entry accounting

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Double-entry accounting

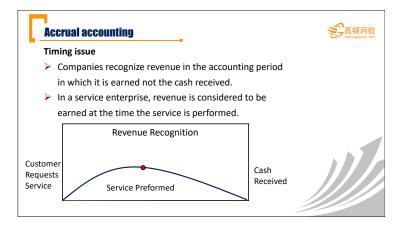
Each transaction will affect at least two accounts to let balance sheet balance

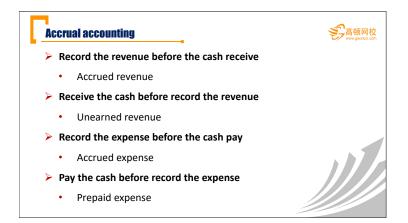
For example: Purchase equipment for 20,000 dollar

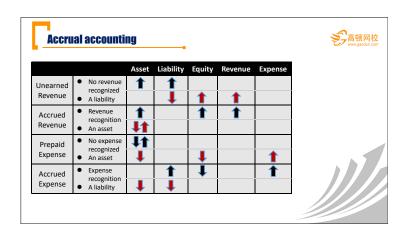
- > Equipment increase 20,000
- Cash decrease 20,000

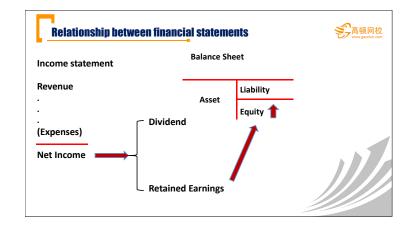
One asset account increase and another asset

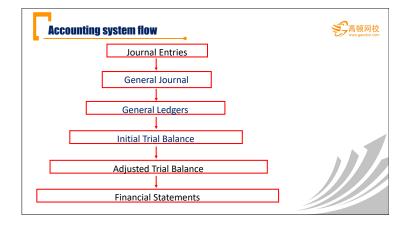
account decrease.













- ➤ Importance: ☆☆☆
- Content:
- Accruals and other adjustments in preparing financial statements.
- · Relationships among the financial statements.
- The flow of information in an accounting system.
- Exam tips:
- 辨析权责发生制下产生的各个科目。
- 了解财务报表之间的联系。(主要是利润表和资产负债表)



Standard-setting bodies and regulatory authorities & SEC filings

Tasks:

- > Describe the objective and importance of financial reporting standards.
- Describe standard-setting bodies and regulatory authorities and SEC filings.
- Describe global convergence of accounting standards .

Objective and importance of financial reporting standards



Objective of financial statements

> The objective of financial statements is to provide information about the financial position, performance and change in financial position of an entity; this information should be useful to a wide range of users for the purpose of making economic decisions.



Standard-setting bodies



Standard-setting bodies

- Financial Accounting Standards Board (FASB)
 - Sets U.S. GAAP
- International Accounting Standards Board (IASB)
 - Sets IFRS



Regularly authorities



Government agencies have the enforcement power (IASB and FASB don't have)

- > The Securities and Exchange Commission (SEC) in the U.S.
- > The Financial Service Authority (FSA) in the U.K.

Most national authorities belong to the International Organization of Securities Commissions (*IOSCO*).

- Protect investors
- Ensure the fairness, efficiency, and transparency of markets
- Reduce systemic risk. (Globalization of securities markets)

SEC filings required



Form S-1

> Registration statement filed prior to sale of new securities.

Form 10-K

>Annual financial statements

Form 10-Q

➤ Quarterly financial statements

Form DEF-14A

➤ Proxy statements

Barriers to developing on universally accepted set of standards



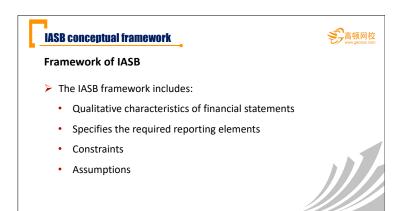
- Different standard setting bodies and the regulatory authorities may disagree on particular item or issue.
- Business groups will be affected by changes in reporting standards.

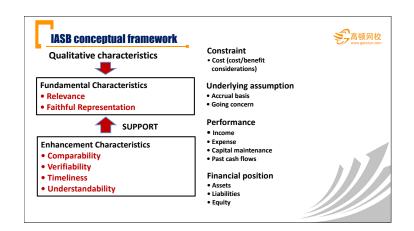
Summary

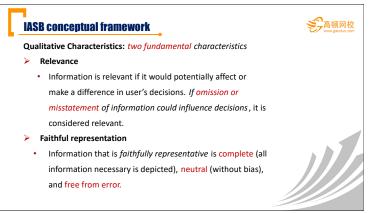


- Content:
- · The objective of financial reporting standards.
- · Standard-setting bodies and regulatory authorities.
- The status of global convergence of accounting standards and ongoing barriers to developing one universally accepted set of financial reporting standards.
- Exam tips:
- 辨析财务准则的制定机构和监管机构的职能差异。
- 了解阻碍形成一个通用的财务准则的障碍。









IASB conceptual framework



Four characteristics that *enhance* relevance and faithful representation:

- Comparability
 - Financial statement presentation should be consistent among firms and across time periods.
- Verifiability
 - Independent observers, using the same methods, obtain similar results.

IASB conceptual framework



Four characteristics that *enhance* relevance and faithful representation: (cont.)

- Timeliness
 - Information is available to decision makers before the information is stale.
- Understandability
 - Can understand the information the statements with a basic accounting knowledge.

IASB conceptual framework



Required Reporting Elements

- > Assets
- Liabilities
- Equity
- Revenue
- Expense

IASB general requirements for financial statements



Required financial statements

- Balance sheet
- > Statement of comprehensive income
- Cash flow statement
- > Statement of changes in owners' equity
- Footnotes



IASB general requirements for financial statements



Principles for preparing financial statements

- Going concern basis
 - Assume the firm will continue to exist unless its management intends to (or must) liquidate it.
- Accrual basis of accounting
 - Accrual basis of accounting is used to prepare the financial statements other than the statement of cash flows.

IASB general features for preparing financial statements



Fair presentation

Faithfully representing the effects of the entity's transactions and events according to the standards for recognizing assets, liabilities, revenues, and expense.

Consistency

Consistency between periods in how items are presented and classified, with prior-period amounts disclosed for comparison.

IASB general features for preparing financial statements



Materiality

Financial statements should be free of misstatements or omissions that could influence the decisions of users of financial statements.

Comparative information

Comparative information for prior periods should be included.

IASB general features for preparing financial statements



Aggregatio

> Aggregation of similar items and separation of dissimilar items.

No offsetting

No offsetting of assets against liabilities or income against expenses unless a specific standard permits or requires it.

Reporting frequency

Reporting frequency must be at least annually.



The structure and content of financial statements



Classified balance sheet

> A classified balance sheet showing current and noncurrent assets and liabilities.

Minimum information

Minimum information is required on the face of each financial statement and in the notes.

Comparative information

Comparative information for *prior periods* should be included.

Coherent financial reporting framework



Transparency

> Full disclosure and fair presentation create transparent.

Comprehensiveness

> An effective financial reporting framework is based on principles that are universal enough to provide guidance for recording both existing and newly developed transactions.

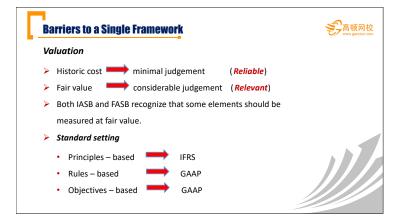
Consistency

Similar transactions should be accounted for in a similar manner regardless of industry company size, geography or other characteristics.





- Asset/Liability approach B/S
- Revenue/Expense approach I/S
- > Standards regarding one statement will have an effect on the other.
- Standard writers focus on Asset/Liability approach.





➤ Importance: ☆☆

Content:

- International Accounting Standards Board's conceptual framework, including the objective and qualitative characteristics of financial statements.
- General requirements for financial statements under IFRS.

Exam tips:

- 了解国际准则框架的内容(质量特性,两个假设)。
- 了解国际准则框架唯一性的障碍(估值标准,准则设立)。



Income Statement Format and Components

Tasks:

- Describe the components of the income statement and alternative formats of that statement.
- Describe general principles of revenue recognition and accrual accounting.
- Distinguish between the operating and non-operating components of the income statement.

Income Statement Format and Components



Net income = revenues - ordinary expenses + other income - other expense + gains - losses

- Revenues are the amounts reported from the sale of goods and services in the normal course of business.
 - Revenue less adjustments for estimated returns and allowances is known as net revenue.
- Expenses are the amounts incurred to generate revenue and include cost of goods sold, operating expenses, interest, and taxes.
 - Expenses are grouped together by their nature or function.

Expenses grouped by nature or function



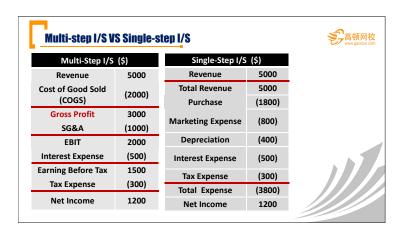
By nature

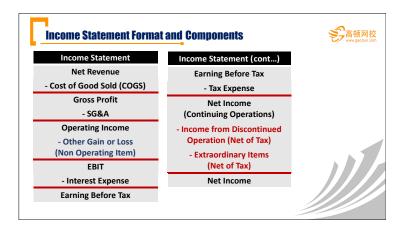
Presenting all depreciation expense from manufacturing and administration together in one line of the income statement.

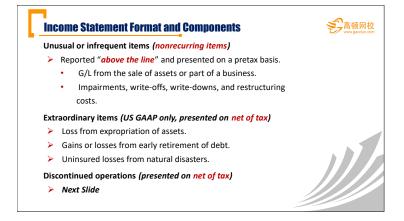
By function

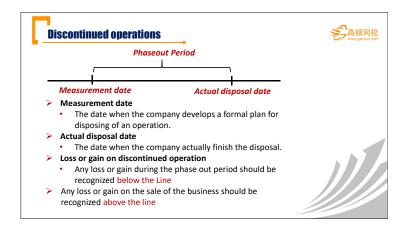
Combining all costs associated with manufacturing (raw materials, depreciation, labor, etc.) as a cost of goods sold.











Accrual accounting & Revenue Recognition



Accrual method of accounting

- Revenue is recognized when earned and expenses are recognized when incurred.
- Accrual accounting does not necessarily coincide with the receipt or payment of cash.

Accrual accounting & Revenue Recognition



According to IASB

- For sale of goods, revenue is recognized when:
- The risk and reward of ownership is transferred.
- There is no continuing control or management over the goods sold.
- · Revenue can be reliably measured.
- There is a probable flow of economic benefits.
- The cost can be reliably measured.
- For services rendered, revenue is recognized when:
 - The amount of revenue can be reliably measured.
- · There is a probable flow of economic benefits.
- The stage of completion can be measured.
- The cost incurred and cost of completion can be reliably measured.



Accrual accounting & Revenue Recognition



According to FASB

Revenue is recognized in the I/S when realized or realizable and earned.

According to SEC

- > There is evidence of an arrangement between the buyer and seller.
- > The product has been delivered or the service has been rendered.
- > The price is determined or determinable.
- > The seller is reasonably sure of collecting money.

Summary



➤ Importance: ☆☆

Content:

- Components of the income statement and alternative presentation formats of that statement.
- General principles of revenue recognition and accrual accounting.

Exam tips:

- 了解利润表的格式以及包含的各项科目。
- 了解三个non-recurring items科目的特征。
- 了解收入确认的原则。 (IFRS, GAAP, SEC)



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Accounting for Long Term Contract

Tasks:

Describe general principles of revenue recognition for long term contract in both U.S. GAAP and IFRS.

Long term contract



Percentage of completion method

- Used for long-term projects when there is a contract and there are reliable estimates of the revenues, costs and completion time.
 - · An engineering estimate or physical milestone.
 - · The ratio of incurred costs to the total estimated cost.

Completed contract method

- Used for long-term projects when there is no contract or estimate of revenues/costs are unreliable.
 - There is evidence of an arrangement between the buyer and seller.

Revenue recognition between IFRS & GAAP



Long term contract

- If the outcome of a long-term contract can be reliably estimated the percentage of-completion method is used under both IFRS and U.S. GAAP.
- > If the firm cannot reliably measure the outcome of the project.
 - GAAP: Using completed-contract method
 - IFRS: Revenue is recognized to the extent of contract costs, costs are expensed. Profit is recognized only at completion.
- If a loss is expected, the loss must be recognized immediately under IFRS and U.S. GAAP.

POC & CC method (US GAAP)

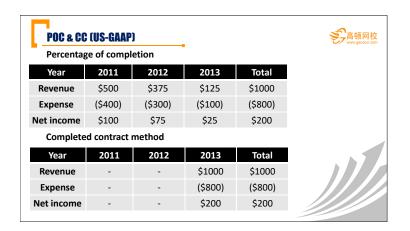


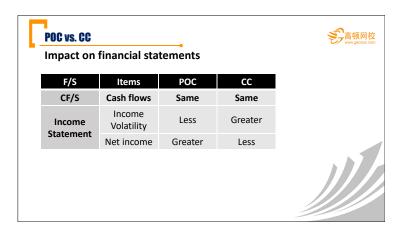
Assume that ABC construction company has a contract to build a ship for \$1,000 and a reliable estimate of the contract's total cost is \$800. Project costs incurred by ABC are as follows:

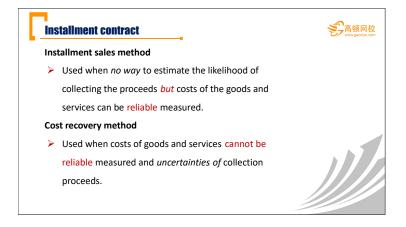
Year	2011	2012	2013	Total
Cost	\$400	\$300	\$100	\$800

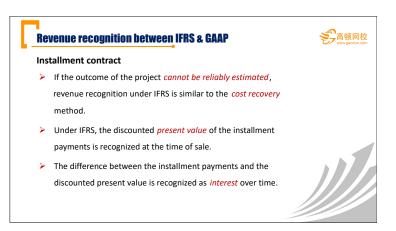
Determine ABC's net income from this project for each year using the percentage – of – completion and completed contract methods.











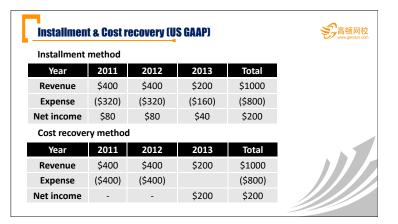
Installment & Cost recovery method (US GAAP)

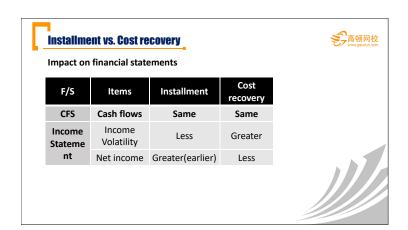
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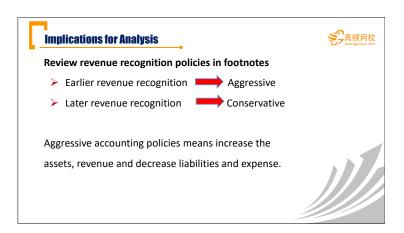
Assume that ABC property company sells a piece of land for \$1,000. The original cost of the land was \$800. Collections received by ABC for the sale are as follows:

Year	2011	2012	2013	Total
Collection	\$400	\$400	\$200	\$1000

Determine ABC's profit under the installment and cost recovery methods.









➤ Importance: ☆☆☆

Content:

· Accounting for long-term contracts, installment sales.

Exam tips:

- 计算美国准则下两大类长期合同的收入,费用及利润。
- 定性辨析采用不同的收入确认方法会如何导致财务报表发生改变。

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Barter Transaction, gross or net reporting of revenue and implications for analysis

Tasks:

- Describe the rules of barter transactions, gross and net reporting of revenue.
- Describe general principles of expense recognition and implications of expense recognition choices for financial analysis.

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Revenue Recognition Barter transaction



Barter transaction

- Barter transaction means two parties exchange goods or services without cash payment.
- Round-trip transaction means the sale of goods to one party with the simultaneous purchase of almost identical goods from the same party.

Barter transaction under GAAP & IFRS



Under U.S. GAAP

A barter transaction can be recognized at fair value only if the firm has historically received cash payments for such goods and services and can use this historical experience to determine fair value.

Under IFRS

Revenue from barter transactions must be based on the fair value of revenue from similar nonbarter transactions with unrelated parties.



Gross vs. Net reporting of revenue



Gross and Net Reporting of Revenue

- Under gross revenue reporting, the selling firm reports sales revenue and cost of goods sold separately.
- Under net revenue reporting, only the difference in sales and cost is reported.

Gross reporting will report a higher revenue and same profit.

Gross vs. Net reporting of revenue



According to U.S. GAAP The firm reports gross revenue only:

- > Be the primary obligor under the contract.
- > Bear the inventory risk and credit risk.
- Be able to choose its supplier.
- Have reasonable latitude to establish the price.

Example: The ticket price is \$10,000, and the travel agent receives a \$1,000 commission.

- Using gross reporting, the travel agent would report \$10,000 of revenue, \$9,000 of expense, and \$1,000 of profit.
- Using net reporting, the travel agent would simply report \$1,000 of revenue and no expense.

Expense recognition



Accrual basis (Matching Principle)

Match costs against the associated revenues (E.G. COGS)

Period expenses

Expenditures less directly matching the timings of revenues .
 Eg: Admin cost

Estimates and

in these expense

assumptions involved

Analysis implications

- Inventory valuation
- Warranty expense
- . .
- Depreciation & Amortization
- Doubtful debt provisions

Changes in accounting standards



Change in accounting principle

Requires retrospective application.
 (Eg: LIFO to FIFO, cost basis to fair value)

Change in accounting estimate

Should be applied prospectively and disclosed in footnotes (Eg: Change in the estimated useful life of a depreciation asset).

Prior-period adjustment

Requires restatement of prior period financial statements if change incorrect accounting method.





➤ Importance: ☆☆

Content:

- Accounting for barter transactions, gross and net reporting of revenue
- Implications of expense recognition choices for financial analysis.
- financial reporting treatment and analysis of changes in accounting policies.

Exam tips:

- 辨析易货交易,了解收入确认的原则。
- 了解费用确认的原则,以及一些分析运用。(费用确认主要在下一个 SESSION中提到,此处只是简单介绍。)

Basic EPS & Dilutive EPS

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Tasks:

- Describe how earnings per share is calculated.
- Distinguish between dilutive and antidilutive securities, and describe the implications of each for the earnings per share calculation.

Earnings per share



EPS is the most commonly used corporate profitability performance measures for publicly-traded firms.

- Basic EPS
- Dilutive EPS

A *simple capital structure* contains no potentially dilutive securities.

> Firm reports only basic EPS.

A *complex capital structure* contains potentially dilutive securities.

> Firm must report both basic and dilutive EPS.





Basic EPS = NI - Div preferred stock

Weighted average number of common shares outstanding

Weighted average number of common share outstanding

- New issue, repurchase is weighted by time (days or months)
- Stock dividend/split is not weighted by time, instead it should adjust the number of common share which exist before the stock dividend or split. (Eg: 3-for-2 split: two shares split to three shares)

