







JANUARY 16, 2024



المدرسة الوطنية العليا للذكاء الإصطناعي

National High School of Artificial Intelligence

(ENSIA)

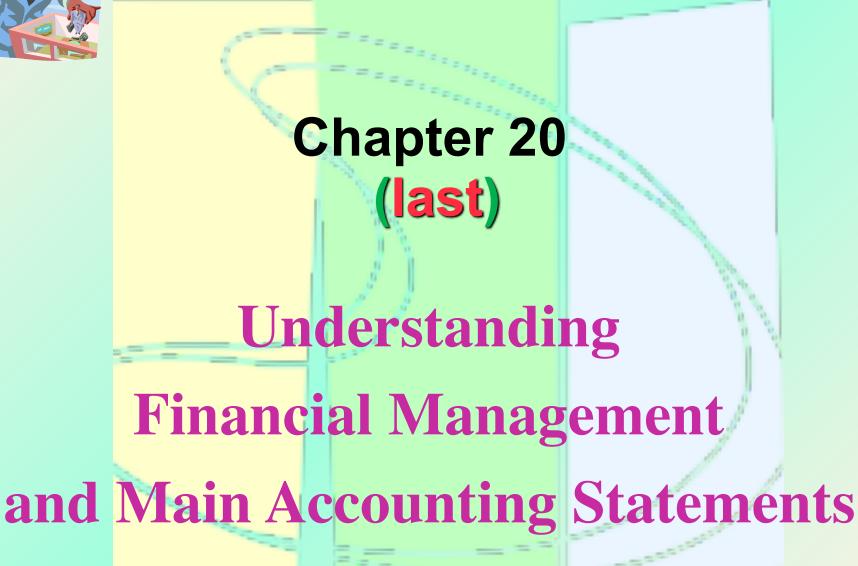
Academic Year 2023-2024 [Y2-S1]

YOUR MANAGEMENT COURSE

Introduction to BUSINESS

Introduction to Business / NHSAI (ENSIA) 2023-2024 / Instructor: Prof. Oukil







Typical financing sources:

- Personal savings. ...
- Love money. ...
- Venture capital. ...
- Angels. ...
- Crowdfunding. ...
- Business Incubators. ...
- Grants and subsidies. ...
- · Loans.



3 Basic Financial Statements

1> Balance Sheet:

Estimates the firm's worth on a given date:

Assets = Liabilities + Owner's Equity

http://finance.yahoo.com/q/bs?s=SAM+Balance+Sheet&annual

2> Income Statement:

Compares the firm's expenses against its revenue over a period of time to show its net income (or loss):

Net Income = Sales Revenue - Expenses

http://finance.yahoo.com/q/is?s=SAM+Income+Statement&annual

3> Cash flow statement/report:

Shows the change in the firm's working capital over a period of time by listing the sources and uses of funds.

http://finance.yahoo.com/g/cf?s=SAM+Cash+Flow&annual

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Balance sheet

By calculating the accounting equation on a balance sheet you will see whether your assets are covering your liabilities, as well as the <u>book value</u> of your company after all liabilities have been met, or not.

Book value: It is what the business's shareholders would theoretically get if the company was liquidated. And if the book value is compared with the market value of the company it can indicate if the business is under- or overpriced, which is of interest to buyers or investors.



Balance Sheet



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INCOME STATEMENT FOR THE YEAR ENDED DECEMBER 2022

Revenues

Merchandise Sales

Music Lesson Income

Total Revenues:

24,800 **DZD**

3,000

27,800 DZD

Expenses

Cost of Goods Sold	10.200

Depreciation expense 2,000

750 Wage expense

500 Rent expense

Interest expense 500

500 Supplies expense

400 **Utilities** expense

Total Expenses: 14,850

Net Income

DZD

12,950



Breakeven Analysis

- Breakeven point the level of operation at which a business neither earns a profit nor incurs a loss.
- A useful planning tool because it shows entrepreneurs what is the minimum level of activity required to stay in business.
- With one change in the breakeven calculation, an entrepreneur can also determine the sales volume required to reach a particular profit target.

Calculating the Breakeven Point

- Step 1. Determine the expenses the business can expect to incur.
- Step 2. Categorise the expenses in step 1 into fixed expenses and variable expenses.
- Step 3. Calculate the ratio of variable expenses to net sales. Then compute the contribution margin:

Contribution Margin = 1 - Variable Expenses
Net Sales Estimate

Step 4. Compute the breakeven point:

Breakeven Point (DZ)



<u>Total Fixed Costs</u> Contribution Margin

Calculating the Breakeven Point: x

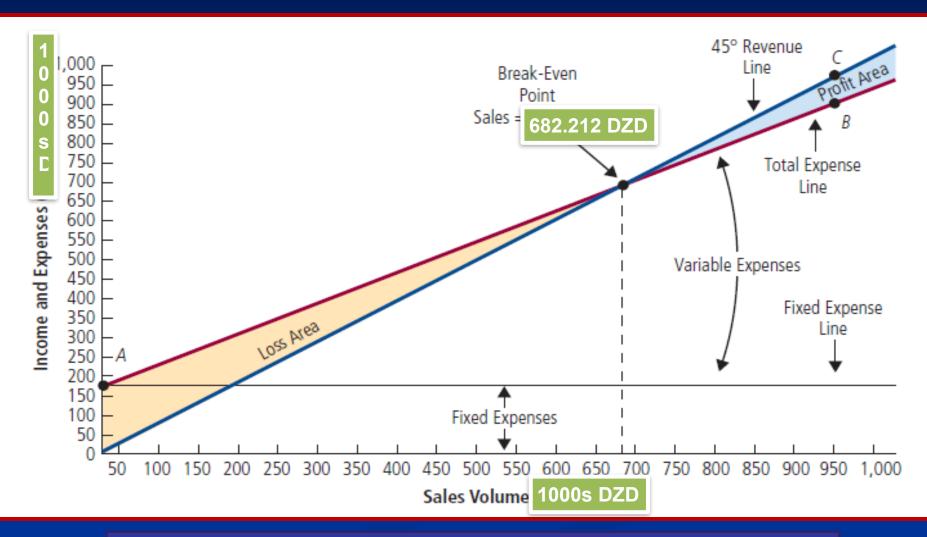
- Step 1. Net Sales estimate is DZD 950,000 with Cost of Goods Sold of DZD 646,000 and total expenses of DZD 236,500.
- Step 2. Variable Expenses: DZD 705,125 Fixed Expenses: DZD 177,375
- **Step 3.** CALCULATE Contribution margin:

Contribution Margin =
$$1 - \frac{DZD 705,125}{DZD 950,000} = 0.26$$

Step 4. Breakeven Point:

Breakeven Point =
$$\frac{DZD \ 177,375}{0.26}$$
 = DZD 682,212

Breakeven Chart for





PLEASE READ THE FILE ENTITLED: Understanding Financial Management and Securities Markets



20.1 The Role of Finance and the Financial Manager

20.2 How Organisations Use Funds

20.3 Obtaining Short-Term Financing

20.4 Raising Long-Term Financing
20.5 Equity Financing

20.6 Securities Markets

20.7 Buying and Selling at Securities Exchanges

20.8 Trends in Financial Management and Securities Markets



THANK YOU



