

Course Modules Overview

Week	Module Title	Topics Covered	Activities
1	Introduction to Finance & Accounting	<ul style="list-style-type: none">- Role of finance in tech/startups- Difference between accounting & finance- Importance for developers/entrepreneurs	Case: Tech startup financial decisions
2	Basic Accounting Concepts	<ul style="list-style-type: none">- Assets, Liabilities, Equity- Double-entry system (conceptual only)- Accounting equation: $A = L + E$	Diagramming a company's resources
3	Understanding Financial Statements	<ul style="list-style-type: none">- Income Statement- Balance Sheet- Cash Flow Statement	Sample statements of a startup (e.g., SaaS)
4	Recording Business Transactions	<ul style="list-style-type: none">- Revenues, expenses, capital, and liabilities- Journals and ledgers (basic logic only)	Spreadsheet entry practice
5	Analyzing Financial Statements	<ul style="list-style-type: none">- Horizontal/vertical analysis- Common-size analysis- Intro to financial ratios	Ratio analysis using startup financials
6	Cash Flow Management	<ul style="list-style-type: none">- Importance of cash- Operating vs investing vs financing activities- Burn rate, runway (startup focus)	Cash flow simulation

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7	Time Value of Money	<ul style="list-style-type: none"> - Present and future value - Discounting and compounding - Simple vs compound interest 	Excel exercises: PV, FV, NPV
8	Capital Budgeting in Tech Projects	<ul style="list-style-type: none"> - NPV, IRR, Payback period - Evaluating software/hardware investments 	Case: Invest in new app feature or not?
9	Budgeting & Forecasting	<ul style="list-style-type: none"> - Preparing a basic budget - Variance analysis - Forecasting techniques 	Build a startup budget in Excel
10	Cost Concepts & Break-even Analysis	<ul style="list-style-type: none"> - Fixed vs variable cost - Contribution margin - Break-even point (with SaaS examples) 	Break-even graph in spreadsheet
11	Financing a Tech Business	<ul style="list-style-type: none"> - Equity, debt, bootstrapping, venture capital - Funding rounds, cap tables 	Role-play: Pitch to investors
12	Working Capital & Financial Health	<ul style="list-style-type: none"> - Current ratio, quick ratio - Inventory & receivables (brief) 	KPI dashboard creation
13	Project Presentations	- Final project: Financial plan for a mock tech startup	Group presentations
14	Review & Final Exam	- Comprehensive revision and assessment	In-class exam or report submission