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Binh Nguyen

TU-A1300 - Introduction to Industrial Engineering and Management, 07.09.2020-30.11.2020

Grades

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» Materials

» Accounting Exercises

» Week 1: Course Introduction and IEM as a Science

» Week 2: Value as the Foundation of Business

» Week 3: Production Systems and Organizations

» Week 4: The Production Process and Production Control

» Week 5: Production as Part of the Value-Chain

» Week 6: Project Business and Midterm Recap

» Week 8: Accounting and Profitability

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Week 9 Group Exercise Submission

Opened: Monday, 2 November 2020, 6:00 PM

Due: Monday, 9 November 2020, 6:00 PM

Mark as done

Evaluating Return on Investment:

Same Excel file you worked in last week, in the lower part of the sheet. Return just the Excel file.

Estimate your initial investment in euros

- Initial investment includes equipment, facilities and other procurements to start a business.
- You don't have to specify costs of specific items to get the max grade, but could if you want to, in separate cells.
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- Depreciation does not need to be included.

Estimate your company's free cash flows for years 0–4

- Year 0 includes only the initial investment.
- In years 1-4, business is conducted normally.
- You don't have to calculate FCF for year 5.

Calculate the net present value of your investment using 10% average cost of capital (WACC = 10%)

- You can find details on NPV in the case study and in the formulas document in the Accounting Exercises section. Excel actually has a built in NPV formula.
- Now you can finally answer to yourself - is the investment profitable?

◀ Lecture 8 Recordings and Slides

Final Recap Recordings and Slides ▶

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