

FINANCIAL MODELLING FOR POWER PROJECT FINANCE

WHAT IS THE FINANCIAL MODELLING FOR POWER PROJECT FINANCE COURSE ABOUT?

This course provides an in-depth understanding of financial modelling principles specific to power project finance. It equips participants with the skills to build, analyze, and interpret financial models for power sector investments.

WHO SHOULD ATTEND THIS COURSE?

This course is ideal for:

- Financial analysts and modellers working in the energy sector
- Project developers and investors
- Government officials and policymakers involved in power project finance
- Energy regulators and utility professionals
- Banks and financial institutions financing power projects

WHAT ARE THE KEY TOPICS COVERED IN THIS COURSE?

Participants will gain practical skills in:

Project Finance & Debt

- Principles of project finance for power sector investments
- Debt structuring and loan repayment schedules
- Key financial ratios and credit analysis

Repayments & Revenue

- Understanding revenue models for power projects
- Tariff structures and power purchase agreements (PPAs)
- Debt service coverage and cash flow analysis

Project Operations and Costs

- Operating costs, maintenance expenses, and financial forecasting
- Capital expenditure (CapEx) and operational expenditure (OpEx) modelling
- Sensitivity analysis for project risks

Construction, Depreciation, and Tax

- Financial modelling of construction schedules
- Depreciation and tax implications on project cash flows
- Understanding tax incentives and subsidies in energy finance

Outputs

- Building financial models in Excel for power projects
- Interpreting model results and scenario analysis
- Risk assessment and mitigation strategies in project finance

WHAT MAKES THIS COURSE UNIQUE?

Hands-on Learning | Participants engage in real-world financial modelling exercises.

Industry-Relevant Insights | Led by experienced practitioners and experts in power finance.

Africa-Focused Content | Tailored to the unique challenges and opportunities in African energy markets.

Practical Application | Learn to build and analyze financial models for real power sector projects.

HOW IS THE COURSE DELIVERED?

The course is delivered through a combination of:

- Live interactive sessions (in-person)
- Practical financial modelling exercises in Excel
- Case studies on power project finance
- Group discussions and networking opportunities

HOW CAN I APPLY FOR THE COURSE?

Interested participants can apply via our website

www.gsb.uct.ac.za/powerfutureslab

Email | pflcourses.gsb@uct.ac.za

Telephone | +27 21 650 7568

Delivery Method | Face to Face

Location | UCT Graduate School of Business

Duration | 5 Days

Programme Dates | 30 November - 4 December 2026