



FINANCE AND TREASURY TRAINING

Petroleum Project Economics and Risk Analysis

5 day course

Classroom, online or in-house

Course overview

This course covers the economic evaluation of upstream petroleum projects under uncertainty. Delegates build cash flow models from production profiles and cost estimates, apply fiscal terms including royalty, tax and production sharing, and evaluate projects using net present value, internal rate of return and the measures used specifically in petroleum. Risk analysis is central: probabilistic reserves, price uncertainty, cost overrun and schedule delay are modelled explicitly rather than absorbed into a single discount rate. Delegates finish able to build a defensible evaluation, run sensitivity and scenario analysis, and present a recommendation with its uncertainty stated honestly.

What you will learn

- Build a petroleum project cash flow model from production and cost inputs
- Apply royalty, tax and production sharing fiscal terms
- Evaluate projects using net present value, internal rate of return and petroleum specific measures
- Model probabilistic reserves and production uncertainty
- Analyse price, cost overrun and schedule risk explicitly
- Run sensitivity and scenario analysis and interpret the results
- Present a recommendation with its uncertainty stated

Who should attend

- Petroleum economists and commercial analysts
- Finance and investment professionals in energy
- Reservoir and development engineers
- Government and regulator staff evaluating projects
- Development finance and lender staff

Course outline

- 01 Production profiles, reserves and cost estimation
- 02 Cash flow model construction
- 03 Fiscal terms: royalty, tax and production sharing
- 04 Evaluation measures and their interpretation
- 05 Probabilistic reserves and production uncertainty
- 06 Price, cost and schedule risk modelling
- 07 Sensitivity and scenario analysis
- 08 Presenting a recommendation with stated uncertainty

Upcoming dates

Dates	Venue	Format	Fee per delegate
4 to 8 October 2026	Kampala, Uganda	Classroom	R11,995
25 to 29 October 2026	Pretoria, South Africa	Classroom	R11,995
8 to 12 November 2026	Cape Town, South Africa	Classroom	R11,995
2 to 6 December 2026	Victoria Falls, Zimbabwe	Classroom	R11,995



Fees and how to register

Online **from R6,500** per delegate, classroom **from R11,995** per delegate, in-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriScience.co.za | Pretoria, Gauteng, South Africa