

POWER MARKETS AND TRADING IN AFRICA

WHAT IS THE COURSE ABOUT?

This executive short course provides a comprehensive understanding of how power markets are designed and operated, both in theory and in practice, with a special focus on South Africa. Participants will explore the principles underpinning electricity markets, examine market structures and trading mechanisms, and analyze how regulation and market design influence investment, system reliability, and renewable energy integration.

The course combines theory, practical case studies, and interactive simulation exercises to illustrate how market design and trading frameworks affect real-world outcomes. A special focus is placed on the evolving South African Wholesale Electricity Market (SAWEM) and the Southern African Power Pool (SAPP).

WHO SHOULD ATTEND THIS COURSE?

This course is ideal for:

- Mid-to-senior-level professionals in government ministries, regulatory authorities, and utilities
- Energy traders, market operators, and system planners
- Project developers, investors, and advisors engaged in power market transactions
- Policymakers and analysts seeking to understand electricity market reform and competition
- Financial institutions and consultants supporting market-based procurement and trading

WHAT ARE THE KEY TOPICS COVERED IN THIS COURSE?

Participants will gain practical skills in:

Foundations of Electricity Markets

- Economic rationale for electricity markets and the role of regulation
Market structures: from vertically integrated utilities to competitive systems
Evolution of power markets globally and in Southern Africa

Wholesale Market Design

- Day-ahead, intraday, balancing, and ancillary services markets
Market clearing processes, pricing, and settlement mechanisms
Flexibility, dispatch, and balancing in high-renewable systems
Congestion management, transmission rights, and cross-border trade

Power Trading and Market Operations

- Bilateral contracts, spot markets, and regional market arrangements
Risk management and hedging instruments
Role of market participants — generators, traders, aggregators, and system operators
Power trading in SAPP and lessons from global exchanges

Frequently Asked Questions (FAQ)

- **Market Design and Policy in the African Context**
Designing markets for renewable integration and reliability
- Institutional and governance frameworks
- Regional power pools and interconnection challenges
- Case studies from South Africa and other emerging markets

WHAT MAKES THIS COURSE UNIQUE?

Africa-focused insight | grounded in the realities of african power sectors, with practical insights on market design and trading.

Expert-led training | taught by leading academics and practitioners including dr. Samson Hadush.

Hands-on learning | includes interactive simulation games and case-based discussions.

Global perspective | draws on lessons from international markets while focusing on applicability to africa.

Networking opportunities | connect with peers, regulators, traders, and market experts across the continent.

HOW IS THE COURSE DELIVERED?

The course is delivered face-to-face and online at the UCT Graduate School of Business through a blend of:

- Lectures and facilitated discussions
- Case studies and market simulation exercises
- Group work and interactive sessions.

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
08-12 June 2026

Course Fees
R29 950