

# Advanced Options Trading Curriculum

## Presented by Candila Capital Pvt. Ltd.

This advanced-level curriculum is meticulously designed to provide students with a comprehensive understanding of derivatives, focusing primarily on options trading. It introduces unique and proprietary strategy names while covering critical concepts, tools, and trading techniques. Students will gain a deep insight into advanced options trading strategies, risk management, and market dynamics.

## Module 1: Foundations of Advanced Options Trading

### 1. Decoding Derivatives:

- Basics of Futures and Options: A quick revision.
- Understanding the role of options in risk management and speculation.

### 2. Option Anatomy:

- Revisiting Calls and Puts.
- In-depth analysis of option chains.

### 3. Market Dynamics:

- Volatility fundamentals and its role in options pricing.
- Introduction to 'Volatility Impact Zones' – Identifying areas of opportunity in fluctuating markets.

## Module 2: Advanced Spread Strategies

### 1. Delta Neutral Mastery:

- Concept and construction of delta-neutral strategies.
- Unique Strategy: 'The Neutralizer Spread' – Achieving market neutrality with precision.

### 2. Diagonal Spreads Reimagined:

- Combining time decay and directional bias.
- Unique Strategy: 'TimeFlow Edge' – Optimizing returns with diagonal spreads.

### 3. Butterfly Strategy Optimization:

- Enhancing traditional butterfly trades.
- Unique Strategy: 'WingSpan Approach' – Leveraging extreme volatility scenarios.

## Module 3: Options Volatility Dynamics

### 1. Volatility Skew and Smile:

- Real-world analysis of implied volatility skew and smile.
- Unique Strategy: 'Curve Dominator' – Exploiting the volatility curve for profit.

## 2. Trading with Vega:

- Understanding volatility sensitivity (Vega).
- Unique Strategy: 'Vega Pulse Tracker' – Capturing volatility spikes for profits.

## **Module 4: Synthetic Positions and Advanced Arbitrage**

### 1. Synthetic Futures and Options:

- Constructing synthetic long/short futures.
- Unique Strategy: 'Synthetic Advantage' – Building powerful synthetic positions for reduced margins.

### 2. Options and Futures Arbitrage:

- Real-world arbitrage opportunities in options and futures.

## **Module 5: The Greeks in Action**

### 1. Deep Dive into Option Greeks:

- Delta, Gamma, Vega, Theta, and Rho in detail.

### 2. Greeks Strategy Workshop:

- Unique Strategy: 'Theta Crusher' – Maximizing returns from time decay.

## **Module 6: Advanced Risk Management Techniques**

### 1. Hedging with Options:

- Creating effective hedges using options.

### 2. Portfolio Optimization:

- Advanced techniques for managing a diversified options portfolio.
- Unique Strategy: 'Portfolio Shield' – Using options to enhance risk-adjusted returns.

## **Module 7: Proprietary Options Trading Models**

### 1. Building a Custom Options Model:

- Combining advanced strategies for a unique trading edge.

### 2. Unique Strategy: 'The Quantum Arbitrage Model':

- Exploring multi-legged arbitrage opportunities across different market conditions.

This curriculum ensures that students are equipped with advanced-level skills to excel in the options trading market. With a focus on innovation and proprietary strategies, participants will gain a competitive edge in the field of derivatives trading.



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