

A Set of Courses on  
**Derivatives Concept  
& Application**



**11 Certificate Courses**



**45+ Hours of Digital Content**



**Access to Content on Digital Platform**

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**Course Fees: Rs. 5,999/- +GST**

# About the Course Set

A set of courses that will help you understand and trade in derivatives. As you know, derivatives are advanced trading/investment instruments and they require skill and knowledge to trade in them. These are good hedging instruments and in this course you will cover the entire gamut of equity and commodity derivatives. You will learn the various trading strategies for both futures and options, which are the key derivatives traded in India today. The course starts by introducing you to derivatives and moves on to futures, options and their pricing. It would also cover forwards, but the focus will be on exchange traded derivatives.

- Covers study of all types of derivatives and their trading
- Learn futures and various strategies for trading in futures
- Learn options and also their pricing and trading strategies
- Learn forex trading in derivatives
- Over 45 Hours of On-Demand Video Sessions
- Quality & Focused Learning Designed by Domain Professional
- Comprehensive modules at Great price.Limited time offer.

## 11 Courses with 45+ Hours of on Demand Video Sessions



01

# Introduction to Derivatives

1.57 Hours



Derivatives are advanced trading instruments and understanding them is key to investing in them. This course leads you to an introduction to basic derivatives and their various types and how to begin trading in them. This introduction is necessary for delving deeper into derivatives as you can see later on in this course.

You would understand various financial derivatives available in the market understanding the various building blocks ( viz. Credit Extension Products, Price Fixing Contracts and Price Insurance Contracts ) and risk Management.



## Course Outline

- Introduction to Financial Derivatives
- Understanding derivative products
- Trading in derivatives

02

# Financial Derivatives

25 Hours



The more you read/learn/understand about derivatives, the more fascinating it proves. In this highly elaborated course of 25 hours , we cover all derivatives comprehensively including futures and options and advanced derivatives like SWAPS, FRAs, and structured products. This covers the trading of these derivatives along with the key features and how they help various traders and investors hedge their losses. Trading on the Exchange platform and strategies to trade these products are also covered.



## Course Outline

- Introduction Application of Derivatives
- SWAPS
- Forwards
- Options
- Futures
- Structured Products
- FRAs

03

## Introduction to Options

1.37 Hours



This course is designed to understand the fundamental of Option contract and various terminology associated with Options contract like exercise style, moneyness, intrinsic value/ time value etc . The course also explains types of options and its significance and discussion on the pay off profile. Hedging protects an investor's portfolio from loss. By learning this course you will gain the necessary knowledge to start using options as a hedging technique in their own investing portfolio.



### Course Outline

- Features of an Option Contract
- Options Terminology: Brief discussion on key terms
- Types of Options: Put-Call Parity
- Usage and Applications of Options: Discussion on the pay-off profiles
- How can we use options?

04

## Equity Options

1 Hour



Equity options are the first go-to options products in derivatives. This course covers all the details from basics to trading in equity options. This will help you understand the trading environment and work within all regulations and margins. This also helps you learn various options terminologies and understand option contracts to the fullest.



### Course Outline

- Introduction to options: Basic understanding of Equity Options
- Options terminology: Holder and Writer of an Option, Strike Price, Premium, ITM etc
- Specifications of a Currency Options contract
- Margins: Various trade margins

05

## Equity Futures

1 Hour



The Equity Futures course is designed to increase your skill in trading the global Futures markets. This course helps in understanding the meaning of equity futures and their fundamentals in futures contracts. It also explains the various terms associated with contract specifications and the trading mechanism in stock exchanges. The course combines powerful skill-building lessons with interactive live market trading sessions. Further, the course also has the component of Settlement and Risk management functions. Margin and the type of margin are also explained towards the end of the course.



### Course Outline

- Introduction to Equity futures
- Contract Specifications
- Settlement and Margins

06

## Currency Options

1 Hour



This course is designed to give the learners a basic understanding about Currency options and the various types available in the financial markets . The course is very helpful for beginners who wants to have knowledge about exchange traded option contract and the risk management mechanism followed by the exchanges.



### Course Outline

- Introduction to Currency Options: Basics of Currency Options and its types
- Specifications of a Currency Options contract
- Margins: Margins imposed by the exchange



07

## Currency Futures

5.3 Hours



Forex trading has taken importance today and this course helps you demystify the same. Currency futures are popular trading derivatives, and this course comprehensively covers all you need to know about trading in currency derivatives. The program will enable a beginner to understand the product, methods of trading in them efficiently, and ways to control risks on such trading. This is a natural progression from equity futures, helping you learn all about futures.



### Course Outline

- Features & Market participants: Overview of global currency markets
- Introduction: What are currency futures, and their difference from OTC forwards.
- Foreign Exchange Fundamentals Global Markets: Factors affecting global currency markets, and their interpretation for trading
- Settlement: How futures settle, and the various margins imposed by the exchange.

08

## Options Strategies

1.09 Hours



Options are of various types. Trading in them involves a lot of knowledge and understanding of various strategies using which they are traded. Using such strategies, you can create the desired portfolio of various types of options with various combinations to meet your investment needs. This course helps you learn all about options strategies and how to create your desired portfolio using such strategies.



### Course Outline

- Portfolio of options: How to create the desired portfolio of options like spreads, straddle, asset option combinations, etc.

# Options Strategies & Pricing

7.07 Hours

This course is designed to give an in depth knowledge about the various strategies about Options that offers a bucket of possibilities to the market participants. It develops an advanced level of understanding of options, trading in them effectively, and learning to price options. It course covers illustrated Pay-Off diagrams for 'Call Spread', 'Put Spread', 'Long Straddle', 'Short Straddle', 'Risk Reversal', etc.

Option strategies discover new trading opportunities and the various ways of diversifying their investment portfolio with a bright financial futures. Understanding the various pricing strategies covered under this course help in limit the risk and maximize capital. Options traders can profit by being an option buyer or an option writer. Options allow for potential profit during both volatile times, and when the market is quiet or less volatile. This is possible because the prices of assets like stocks, currencies, and commodities are always moving, and no matter what the market conditions are there is an options strategy that can take advantage of it.

The course also covers advanced derivatives like swaptions, exotic options, and operational aspects of deals in options.



## Course Outline

- Options Trading – How options are traded in the Inter-bank market.
- Interest Rate Options - Types of interest rate options, such as - 'Interest Rate Caps', 'Floors', and 'Collars'
- Operational Aspects of an Option Deal
  - Key operations specific to options
  - Option Pricing
  - Pricing Models: 'Black-Scholes Model'
  - Exotic option pricing using Binomial Trees
  - Pricing 'Exotic Options' using a sample pricer
  - Option Pricing
  - Pricing Exotic Options (such as - barrier options, interest rate cap/ floor pricing and interest rate collar pricing, etc.)
  - Introduction to 'Option Greeks'
  - Measuring different dimensions of risk in an option position
  - Delta Hedging in practice
- Swaptions
  - Definition and their use
  - Difference between Swaption and a cap
- Exotic Options: A discussion on 'Digital Options' and 'Barrier Options'

10

## Trading Strategies

1.3 Hours



Trading derivatives can be scientific and requires knowledge of various strategies. Yes, various types of traders use different types of strategies to trade in derivatives. This course covers various strategies of trading in derivatives and using them for hedging and arbitrage. Efficient trading in derivatives is dependent on effectively using these strategies.



### Course Outline

- Types of Participants in Futures Market: Speculators, Hedgers and arbitrageurs.
- Types of strategies: Directional, Non directional and Arbitrage Strategies.

# Advanced Options and Trading Strategies

4 Hours



In today's market, you are faced with unprecedented challenges. Dramatic price swings in equity, debt, and currency have made it tougher than ever to manage and trade risk. But with great risk, of course, comes great opportunity-and Advanced Options Trading delivers a detailed system for trading options in a highly volatile and unpredictable global market.

Options trading might sound complex, but there are a bunch of basic strategies that most investors can use to enhance returns, bet on the market's movement, or hedge existing positions. Covered calls and collars are used when you already have an existing position in the underlying shares. Spreads involve buying one (or more) options and simultaneously selling another option (or options).



## Course Outline

- Glance on the terminologies to be known in Options
- Basic understanding of Moneyness Introduction to Greeks and its importance
  - Impact of greeks in premium pricing
- Option chain concept
- Case Study of Option chain using nseindia.com website
- Basic Input on technical analysis to understand the trend and its importance for options trading
- Importance of strategy based trading
- Buyer Of Option & Writer of Option concept
  - Strategy-1 Bull Call Spread
  - Strategy-2 Bull Put Spread
  - Strategy-3 Bear Put Spread
  - Strategy-4 Bear Call Spread
  - Strategy-4 Straddle
  - Strategy-4 Strangle
- Creating excel sheet based strategy to identify the Max loss and Max profit
- Benefits in leverage due to options strategy
- Conclusion

## How to Activate the Course?



### Step 01

Click on the payment link received in the email.



### Step 02

Get redirected to the payment gateway and complete the payment process.



### Step 03

Receive a Payment acknowledgement email.



### Step 04

Within 48 working hours of making the payment, you shall receive an email from “NSE Academy” stating the link, login credentials and course code to access the courses in the NSE Knowledge Hub platform



### Step 05

Login to NSE Knowledge Hub with your credentials and start consuming the courses as per convenience



### Step 06

Post completion of the courses you shall receive an email to download the certificate from “NSE Knowledge Hub”.

## Contact Details

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## **Refund Policy**

- Registration Fees paid by the candidate shall not be refunded under any circumstances after the login id of the application has shared to candidates.
- In case the registered candidates wishes to cancel the registration for the Certificate Programs, the candidate shall intimate NSE Academy via a written request/Email request minimum 2 working days prior to the commencement of the Certificate Programs or sharing the login id of the application. Once approved the candidate will be refunded 90% of the total course fees paid for the respective Certificate Programs.