

# Object Oriented Analysis & Design

**Duration:** 16.00 hours (2 days)

**13.0 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

### Object Oriented Analysis & Design Course Overview

The Object Oriented Analysis & Design course focuses on the fundamental concepts of Object Orientation and UML as part of the Software Development Life Cycle. The course focuses on the core activities and artifacts of Object Orientation and UML when used with various methodologies including XP, Agile and Unified Process. UML 2 notation is used throughout the course.

This hands-on course shows delegates how to analyse and design models of software systems to enable them to develop quality software that meets the requirements of Stakeholders. Delegates will learn how to follow a system through the OO Analysis and Design phases and build models and artifacts to validate and elaborate the design.

UML Modelling Tools are available in the classroom to give delegates experience of using these tools to document analysis and design models.

A Case Study, exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

## About This Course

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## **Prerequisites & Entry Requirements**

### **General Prerequisites:**

## **Requirements**

Delegates attending this course should have a basic understanding of programming in an object-oriented language such as Java, Python, Ruby, JavaScript, etc. Delegates should understand the concepts of classes, attributes and operations. This knowledge can be obtained by attendance on the pre-requisite Introduction to Programming course.

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

## Course Objectives

By the end of the course delegates should be able to:

- Explain OO Analysis and Design
- Describe the main processes and artifacts of OO Analysis and Design
- Identify and Analyse Requirements
- Model System Functionality with Use Cases
- Find and Organise Analysis Classes
- Create System Domain Models
- Validate Use Case Models with Stakeholders
- Create Activity Diagrams to describe System Behaviour
- Model Object Relationships
- Understand and apply Generalisation and Inheritance
- Design Object Behaviour
- Realise System Design
- Create Deployment Models

## Additional Course Details

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Nexus Humans, Object Oriented Analysis & Design training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the ITS Data Analytics course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Object Oriented Analysis & Design?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 2-day Object Oriented Analysis & Design course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Object Oriented Analysis & Design training?**

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Object Oriented Analysis & Design?**

Yes, we provide corporate training, dedicated training, and closed classes for Object Oriented Analysis & Design. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## Q: Why choose Nexus Human for Object Oriented Analysis & Design?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Object Oriented Analysis & Design training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

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