

LabVIEW Object Orientated Programming System Design Course

Overview

In this course you will learn how to create LabVIEW applications using the Object Oriented Programming (OOP) architecture.

You will start by learning the fundamentals of designing an application using an OOP architecture, through to implementing the design in LabVIEW. The course balances theory of OOP design with hands on exercises, which includes design and development a full application.

Duration

Two (2) Days

Audience

- Programmers using, LabVIEW who wish to learn how to develop applications using Object Oriented Programming architectures
- Developers who wish to compare reference and data based OOP classes

Prerequisites

- This is an advanced course and you should have either taken, or have development experience equivalent to the LabVIEW Intermediate courses before attending

NI Products Used During the Course

- LabVIEW Professional Development System
- Endevo GOOP and UML tools

After attending this course, you will be able to:

- Develop a LabVIEW application using OOP development tools and architectures
- Understand the use of UML in the design of applications
- Select between reference or data based classes

Suggested Next Courses

- LabVIEW Advanced 1: Architectures

Course Topics

- Object oriented systems development vs. traditional LabVIEW development
- LabVIEW 8 classes, methods and data

Registration

Register online at ni.com/training or call (800)433-3488 Fax: (512)683-9300 info@ni.com

Outside North America, contact your local NI Office.
Worldwide Contact Info: ni.com/global

Part Number

910629-xx
-01 NI Corporate or Branch
-11 Regional
-21 Onsite (at your facility)
-69 Online Instructor Led

- Classes by-value verses by-reference
- Inheritance
- Aggregation
- Object oriented design
- Tools for using classes by reference – The GOOP Development Suite
- Classes, by-value and by-reference
- Aggregation
- Inheritance
- Application Exercise – design and develop an object oriented test system