LabVIEW Core 1 (English 2014) Release Notes

This was a major revision of the LabVIEW Core 1 course. We reviewed and revised the course goal and lesson objectives as part of this redesign, which resulted in significant changes to the course content. We also significantly changed the way in which we present information to students.

**NOTE:** The changes to this course were significant enough that it will require significant preparation for the first time that you teach the new revision!

# Content Changes

* Adjusted Core 1 content based on creation of new Getting Started experience at www.learnni.com.
* Updated course content to reflect product changes for LabVIEW 2014.
* Number of lessons changed from 8 to 12.
  + Created a new lesson 0 “Welcome” to cover the introductory course content.
  + Created a new lesson 11 “Next Steps” to cover closing course content.
  + Divided old Lesson 1 “Navigating LabVIEW” into two lessons:
    - Lesson 1 “Navigating LabVIEW”
    - Lesson 2 “Creating Your First Application”
  + Divided old Lesson 3 “Implementing a VI” into two lessons:
    - Lesson 4 “Using Loops”
    - Lesson 6 “Using Decision-Making Structures”
      * Moved coverage of Events from Core 2 to Core 1.
  + Divided old Lesson 6 “Managing Resources” into two lessons:
    - Lesson 8 “Acquiring Measurements from Hardware”
    - Lesson 9 “Accessing Files in LabVIEW”
  + Moved “Variables” lesson from Core 1 to Core 2.

# Deliverable Changes

## Course Slides

* Revised the CustEd slide template
* Reduced the amount of text on slides
* Increased the number of instructor demonstrations

## Instructor Guide

* Created this new deliverable to help instructors prepare to teach Core 1 and 2.
  + Presents slide-by-slide information (replaces slide notes).
  + Includes lesson objectives
  + Includes activity/demonstration/exercise/topic/lesson timing information.
  + Provides scripts for instructor demonstrations.

## Participant Guide

* Created this new deliverable for students to follow during the Core 1 and Core 2 courses.
  + Combines the course and exercise manuals from the previous revision.
* Created Activities to increase student interactions and reinforce learning.
* Improved alignment with slide content to help students follow along more easily.
  + Removed content that is not covered in the lecture.
* Improved readability by replacing large blocks of text with bulleted lists.
* Provided more space for students to take notes.
* Added an “Additional Resources” table to the end of each lesson to point students to LabVIEW Help and ni.com content that provides additional information on the content of that lesson.

## Multimedia

* Created eight interactive multimedia modules to improve retention of key concepts.
  + Creates opportunities for more analysis of learning content.
  + Includes content and knowledge checks.
  + Covers important or difficult concepts
    - Allows unlimited practice for those topics