



## **Crystal Reports XI: Advanced**

**Overview:** Students will learn to create complex reports and data sources using Crystal Reports' tools. In this course, students will learn how to create more sophisticated reports including subreports and cross-tabs and how to increase the speed and efficiency of their reports by using SQL queries.

**Prerequisites:** Crystal Reports XI: Introduction. Knowledge of programming and/or SQL would be helpful.

**Course Length:** Two Days

### **Course Content**

#### **Lesson 1: Creating Running Totals**

- Create a Running Total Field
- Modify a Running Total Field
- Create a Manual Running Total on Detail Data
- Create a Manual Running Total on Summary Data

#### **Lesson 2: Building Cross-tabs in Your Report**

- Create a Cross-tab
- Create a Specified Group Order
- Filter a Cross-tab by Group
- Change the Cross-tab Format
- Conditionally Format Rows and Columns
- Keep Groups Together

#### **Lesson 3: Adding Subreports**

- Insert a Subreport
- Link a Subreport to a Primary Report
- Edit a Subreport's Structure
- Format a Subreport Using the Format Editor
- Share Variables Between Subreports and Primary Reports
- Create an On-demand Subreport

#### **Lesson 4: Creating Drill-downs**

- Create a Drill-down
- Create Separate Headings for Drill-down Data

#### **Lesson 5: Enhancing Report Processing by Writing SQL Statements**

- Create a Report Using SQL Queries
- Summarize Report Data Using SQL Aggregate Functions
- Create Joins Using SQL
- Create Subqueries
- Create a SQL Expression Field

**Lesson 6: Charting Data**

Create a Bar Chart  
Modify a Chart  
Format a Chart  
Create a Chart Template  
Create a Top N Chart  
Create a Cross-tab Chart

**Lesson 7: Reporting on Excel Data with Crystal Reports**

Create a Report Based on Excel Data  
Modify a Report Generated from Excel Data  
Update Data in a Report Based on Excel Data

**Lesson 8: Working with Prompts**

Create a Static Prompt  
Create a Dynamic Prompt

**Lesson 9: Enhancing Report Functionality**

Group Data Hierarchically  
Create a Dynamic Image  
Create a Report Alert  
Create a Geographic Map

**Appendix A: Understanding BusinessObjects Enterprise****Appendix B: Understanding Report Templates and the Section Expert****Appendix C: Report Data Manipulation Techniques**