

# Crystal Reports XI Level 2

<b>Audience</b>	This course is intended for students who have taken the Crystal Reports Level 1 class, have intermediate database skills, or have equivalent experience.
<b>Description</b>	The course uses a combination of lecture, hands-on practice, and independent exercises to teach students how to create and use parameter fields, including cascading parameters. You learn how to build advanced formulas using variables, advanced functions, and constructs. You also learn how to create and customize charts and maps, apply advanced formatting options to report elements, and create alerts and subreports. Finally, students work with the Business Objects Enterprise Repository and the Workbench, and learn advanced data access techniques including ODBC data sources and SQL query-building.
<b>Objectives</b>	Upon completion of the course, students should be able to: <ul style="list-style-type: none"><li>■ work with parameter fields and selecting data,</li><li>■ create advanced formulas and functions,</li><li>■ create charts and maps,</li><li>■ use advanced formatting techniques,</li><li>■ set up alerts and subreports,</li><li>■ utilize data management features,</li><li>■ apply advanced data access techniques.</li></ul>
<b>Length</b>	1 day

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<b>I. Selecting data</b> <ul style="list-style-type: none"><li>A. Parameter fields</li><li>B. Defining report elements</li></ul>	<b>IV. Formatting complex reports</b> <ul style="list-style-type: none"><li>A. The Section Expert</li><li>B. Advanced conditional formatting</li><li>C. Objects</li></ul>
<b>II. Advanced formulas and functions</b> <ul style="list-style-type: none"><li>A. Running totals</li><li>B. Variables</li><li>C. Advanced functions</li><li>D. Constructs</li></ul>	<b>V. Alerts and subreports</b> <ul style="list-style-type: none"><li>A. Report alerts</li><li>B. Subreports</li></ul>
<b>III. Charts and maps</b> <ul style="list-style-type: none"><li>A. Working with charts</li><li>B. Creating maps</li></ul>	<b>VI. Data management features</b> <ul style="list-style-type: none"><li>A. The Business Objects Enterprise Repository</li><li>B. The Workbench</li></ul>
	<b>VII. Advanced data access techniques</b> <ul style="list-style-type: none"><li>A. ODBC data sources</li><li>B. SQL and the Database Expert</li></ul>



