



**keyteach**™

# FCCS: CALCULATIONS



Discover how to create highly sophisticated and custom rules to support complex calculation requirements within Oracle's FCCS. This three-day course provides a thorough grounding in all aspects of calculation for FCCS.

#### Learning Objectives:

Learn about the business rules and scripting language used to perform calculation and consolidation within Oracle's FCCS.

#### Course Description:

This three-day course covers everything required to design, build and deploy effective calculations within FCCS applications. Explore the multidimensional business rules and calculations scripts and understand the capabilities, features and syntax of how to perform calculation, translation and consolidation within FCCS.

Find out how the 'seeded' calculations can be modified to amend the standard consolidation process. Learn about the development of ad hoc 'On Demand' rules that add additional flexibility and run outside of the consolidation process.

Discover how calculation manager is used to manage calculations both within the graphical designer and script editor. Learn how to control calculation scope and how to build custom validation rules vs the automated validation on the balance sheet.

Explore the available calculation functions and associated syntax. Understand how to use templates to create reusable code snippets for efficient design of calculation rules. Find out about statutory consolidation rules and strings and how to deploy, duplicate and modify rule sets.



Also available  
as a self-paced  
"On Demand" course

Training in your own time at your own convenience

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## Course Information:

Course Title:	FCCS: Calculations
Audience:	Implementation consultants, developers, technical system administrators
Pre-requisites:	None
Duration:	3 days
Delivery Method:	Classroom (Group-Live)
Advanced Preparation:	None
Recommended CPE Credits:	21 Credits - Computer Software and Applications
Programme Level:	Intermediate

## Summary by Day:

- Day 1: Understanding Calculation, Member Formulas, Pre-Built Calculations, Calculation Administration.  
 Day 2: Graphical Rule Editing, Controlling Calculation Scope, Additional Capabilities, Calculation Functions and Syntax.  
 Day 3: Calculation Templates, Manage Ownerships, Statutory Consolidation Rules, On Demand Rules.

## Detailed Agenda

### Understanding Calculation

- Consolidation
- Translation
- Calculation Methods
- Ownerships
- Calculation Status
- Dynamic Calculation
- FCCS System Rules
- Business Rule Security

### Member Formulas

- Member Formula Syntax
- Dynamic Calculation
- Two-Pass Calculation

### Pre-Built Calculations

- Consolidate and Force Consolidate
- Translate and Force Translate
- Translation and Overrides
- Consolidation and Translation
- DataLoad\_PreProcess\_Consol
- DataLoad\_PostProcess\_Consol
- DataLoad\_PostProcess\_Rates
- MetadataLoad\_PostProcess\_Consol
- FCCSFormStatusProcessor
- RefreshDatabase\_PostProcess\_Consol
- RefreshDatabase\_DelegatePostProcess
- ComputeRates
- RefreshDatabase\_PostProcess\_Rates
- ClearEmptyBlock

### Calculation Administration

- Calculation Manager Views
- Filtering Rules
- Importing and Exporting Rules
- Validation and Analysis
- Database Properties
- Opening, Editing, Copying, Saving Searching, Printing, Deleting
- Deployment

### Graphical Rule Editing

- Introducing the Designer View
- Graphical Rule Components
- The Assembly of Graphical Rules
- Design Principles Within the Graphical Interface
- Transformation to Script

### Controlling Calculation Scope

- Block Storage/Creation
- Dense and Sparse
- FIX and IF
- Variables
- Run Time Prompts
- Design Time Prompts

### Additional Capabilities

- Cross-Dimensional Operators
- Two Pass Calculation / Back Calcs
- Enabling Automated Balance Sheet Validation
- Calculation Triggers and Copy Data
- User Defined Attributes
- Defining Script Snippets

### Calculation Functions and Syntax

- Common Syntax
- Allocation Functions
- BLOCK Functions
- Boolean Functions
- CALC Functions
- CLEAR Functions
- Conditional and Logical Operators Functions
- COPY Functions
- Date & Time Functions
- EXPORT Functions
- Forecasting Functions
- Mathematical Functions
- Member Set Functions
- Misc Functions

- Range and Financial Functions
- Relationship Functions
- SET Functions
- Statistical Functions

### Calculation Templates

- Creating Reusable Code with Calculation Templates
- System Templates
- Custom Templates
- Using Variables within Calculation Templates
- Calling Templates from Rules

### Managing Ownership

- Changing Ownership Settings
- Import and Export Ownership Data
- Manage Consolidation Methods
- Ownership Settings Year to Year
- Ownership Settings in Forms and Configurable Consolidation Rules
- Review Consolidation Contributions

### Statutory Consolidation Rules

- Managing Rule Sets and Rules
- Consolidation Strings
- Rule Sets, Rules and Execution
- Deploying and Undeploying Rule Sets
- Duplicating and Modifying Rule Sets
- Configurable Consolidations

### On Demand Rules

- Understanding On Demand Rules
- Creating and Deploying On Demand Rules
- Running On Demand Rules
- Creating On Demand Rules
- Rule Prompts
- Creating Consolidation Rules