

Website: [www.dw-learnwell.com](http://www.dw-learnwell.com)

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## Hyperion Syllabus

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### Track I: ESSBASE

- Understanding Multidimensional Databases
  - Introduction to MDDB/OLAP concepts
  - Differences OLTP-OLAP
  - DWH/BI data flow
  - Introduction to Essbase
  - Essbase Architecture
  - Introduction and differences to Hyperion versions 11, version9, version 7 and version 6.
  - Difference MOLAP/ RDBM
- Designing Multidimensional Application & Database
  - Drafting Outline
  - Adding members to Outline
  - Dimension and Member Properties
  - Dimension Types
  - Consolidation Process
  - Member Storage Properties
- Building Dimensions
  - Setting Time and Account Dimension Properties
  - Attribute Dimension
  - UDA's
  - Difference between UDA's and Attributes
  - Understanding of Dense and Sparse Dimensions
  - In depth knowledge of blocks concept

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- Dynamic Dimension Build & Data Load
  - Understanding Dimension Building Concept
  - Understanding Data Loading
  - Creating Rules Files
  - Different Building methods of rule files
  - Designing of BSO application
  - Understanding of Dynamic Time Series
  - Time Balance Properties
  - Understanding of restructuring and caches
  
- Data Retrieving and Calculation
  - Data Load using Smart View
  - Calculating Essbase Databases
  - Developing Formulas
  - LRO's and reporting Script
  - Understanding Intelligent Calculation
  - Developing Calculation Scripts
  
- Calculating Data & Security assignment
  - Integration with data Sources
  - Security Assignment
  - ASO and BSO Difference
  - Partitioning
  - Performance tuning
  - Substitution Variable
  - Error handling

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- Real time scenarios

### Track II: PLANNING

#### ➤ Introducing Planning

- Creating Plans

- Getting Started with Data Forms
- Entering Data in Data Forms
- Creating Plans in Smart View
- Promoting Plan Data for Review

- Refining Plans

- Adjusting and Annotating Data Values
- Adding Supporting Detail

- Managing Plan Data

- Calculating Data with Business Rules
- Converting and Overriding Currencies
- Copying Data Between Versions
- Managing Planning Workflow
- Working with Task Lists

- Navigating Reports in Workspace

- Viewing Financial Reports in Workspace

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- Smart View
  - Smart View
  - Connecting to Data Sources
  - Ad Hoc Analysis Tools
  - Calculating, Translating, and Consolidating Data
- Entering Data in Smart View
  - Opening and Navigating Data Forms
  - Adjusting and Spreading Data Values
  - Working with Formulas and Cell References in Data Forms
  - Submitting Data
- Retrieving Submitting Data Using Functions in Smart View
  - Functions in Smart View
  - Creating Functions
  - POV Manager
  - Retrieving and Submitting Data
  - Importing Reports and Functions into Microsoft Office
  - Smart Tags
  - Conversion Utility

## Hyperion Financial Reports

- Financial Reporting Features
- Security Overview
- About Financial Reporting Web Client

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- Setting Preferences
- Browsing the Repository
- Previewing Reports
- Printing Reports and Snapshots
- Integrating Reports into Microsoft Office Applications
- Navigating Financial Reporting Studio
  - Financial Reporting Studio Overview
  - Opening Reports
  - Previewing and Printing Reports
  - Creating Basic Reports
  - Creating Grids
  - Selecting Members for Rows and Columns
  - Setting the Point of View
- Formatting Cells and Grids
  - Formatting Cells
  - Formatting Grids
  - Suppressing Data

## Hyperion Syllabus

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- Applying Conditional Formatting in Grids
- Creating Report Objects
  - Report Objects Overview
  - Creating Text Boxes
  - Adding Images
  - Saving Report Objects
  - Inserting Saved Report Objects
  - Linked Object Properties
  - Designing Headers and Footers
- Adding Text Functions
  - Text Functions Overview
  - Inserting Text Functions in Text Boxes
  - Inserting Text Functions in Headings and Text Cells
  - Creating Dynamic Values with the Current Keyword
  - Displaying the Row and Column IDs
  - Displaying Text Function Errors
  - Common Text Functions
- Adding Auto Calculations and Mathematical Functions

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- Auto Calculations Overview
- Mathematical Functions
- Mathematical Operands in Expressions
- Formulas Overview/ Common Mathematical Functions
- Printing Multiple Reports with Books
  - Books Overview
  - Previewing and Printing Books
  - Changing the Book POV
  - Creating Books
  - Changing the Appearance of Books
  - Collating the Table of Contents by Member Selection

Note: Lab sessions for all the points mentioned above will be taken.

## Data warehousing Syllabus

- Evolution of Datawarehousing - History
  - The need of Datawarehousing
  - Why Datawarehousing
  - What is Datawarehousing – The Definition
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## Hyperion Syllabus

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- Subject -Oriented
- Integrated
- Non – Volatile
- Time Varying
- Datawarehousing Architecture
  - Data Source Layer
  - Data Extraction Layer
  - Staging Layer
  - ETL Layer
  - Data Storage Layer
  - Data Logic Layer
  - Data Presentation Layer
  - Metadata Layer
  - System Operation Layer
- Dimension table
- Fact table
  - Additive Facts
  - Semi Additive Facts
  - Non – Additive Fact
  - Cumulative



## Hyperion Syllabus

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- Snapshot
- Attribute
- Hierarchy
- Types of Schema
  - Star Schema
  - Snow Flake Schema
  - Fact Constellation Schema
- Slow Changing Dimension
  - SCD1 – Advantages/ Disadvantages
  - SCD2 – Advantages/ Disadvantages
  - SCD3 – Advantages/ Disadvantages
- OLAP and OLTP
  - Types Of OLAP
    - Multi-Dimensional (MOLAP)
    - Relational(ROLAP)
    - Hybrid(HOLAP)