

## Introduction

Microsoft Dynamics Courseware Overview.....	0-2
Student Objectives.....	0-3

## Module 1: DATA AND PROCESS MODEL

<b>Lesson 1:</b> Table Types and Characteristics .....	1-3
<b>Lesson 2:</b> Standard Data Model.....	1-16
<b>Lesson 3:</b> Standard Process Model .....	1-26

## Module 2: MASTER TABLES AND PAGES

<b>Lesson 1:</b> Prerequisite Knowledge .....	2-2
<b>Lesson 2:</b> Participants.....	2-3
<b>Lesson 3:</b> Instructors and Rooms.....	2-7
<b>Lab 2.1:</b> Customize Resource Tables and Pages .....	2-11
<b>Lesson 4:</b> Seminars.....	2-20
<b>Lab 2.2:</b> Creating Seminar Tables and Pages.....	2-30

## Module 3: DOCUMENTS

<b>Lesson 1:</b> Prerequisite Knowledge .....	3-2
<b>Lesson 2:</b> Registrations .....	3-13
<b>Lab 3.1:</b> Importing, Reviewing and Completing Seminar Registration Tables.....	3-22
<b>Lesson 3:</b> Reviewing the Table Code.....	3-39
<b>Lab 3.2:</b> Create Seminar Registration Pages.....	3-53

## Module 4: POSTING

<b>Lesson 1:</b> Prerequisite Knowledge .....	4-3
<b>Lesson 2:</b> Posting Seminar Registrations .....	4-20
<b>Lab 4.1:</b> Reviewing and Completing the Journal and Ledger Tables.....	4-29
<b>Lab 4.2:</b> Creating Codeunits and Pages for Seminar Journal Posting .....	4-41
<b>Lab 4.3:</b> Creating the Tables and Pages for Posted Registration Information .....	4-61
<b>Lab 4.4:</b> Modifying Tables, Pages, and Codeunits for Resource Posting.....	4-67
<b>Lab 4.5:</b> Creating the Codeunits for Document Posting .....	4-72

## Module 5: FEATURE INTEGRATION

<b>Lesson 1:</b> Prerequisite Knowledge .....	5-2
<b>Lesson 2:</b> Seminar Feature Integration.....	5-5
<b>Lab 5.1:</b> Integrating Seminar Features.....	5-11
<b>Lesson 3:</b> Navigate Integration .....	5-14
<b>Lab 5.2:</b> Changing Objects to Integrate with Navigate .....	5-24

## Module 6: REPORTING

<b>Lesson 1:</b> Prerequisite Knowledge .....	6-2
<b>Lesson 2:</b> Reporting Lab Overview .....	6-6
<b>Lesson 3:</b> Participant List Reporting .....	6-7
<b>Lab 6.1:</b> Creating the Seminar Participant List .....	6-11
<b>Lesson 4:</b> Invoice Posting Batch Job .....	6-23
<b>Lab 6.2:</b> Creating the Invoice Posting Batch Job .....	6-24
<b>Lesson 5:</b> Test Your Knowledge .....	6-35

## Module 7: STATISTICS

<b>Lesson 1:</b> Prerequisite Knowledge .....	7-2
<b>Lesson 2:</b> Seminar Statistics .....	7-3
<b>Lab 7.1:</b> Creating FlowFields for Sums.....	7-5
<b>Lab 7.2:</b> Creating the Seminar Statistics Page .....	7-7

## Module 8: DIMENSIONS

<b>Lesson 1:</b> Prerequisite Knowledge .....	8-2
<b>Lesson 2:</b> Integrating Seminar Management with Dimensions.....	8-21
<b>Lab 8.1:</b> Integrating with Dimension Management .....	8-26

## Module 9: ROLE TAILORING

<b>Lesson 1:</b> Prerequisite Knowledge .....	9-2
<b>Lesson 2:</b> Seminar Manager Role Center .....	9-13
<b>Lab 9.1:</b> Create the Seminar Manager Role Center .....	9-16
<b>Lesson 3:</b> MenuSuite Object Type.....	9-28
<b>Lesson 4:</b> Seminar Management Department Page .....	9-41
<b>Lab 9.2:</b> Create Seminar Management Department Page.....	9-44

## Module 10: INTERFACES

<b>Lesson 1:</b> Prerequisite Knowledge .....	10-2
<b>Lesson 2:</b> Email Confirmation .....	10-13
<b>Lab 10.1:</b> Create Email Confirmations .....	10-17

## Module 11: WEB SERVICES

<b>Lesson 1:</b> Prerequisite Knowledge .....	11-2
<b>Lesson 2:</b> Registration Web Service.....	11-11
<b>Lab 11.1:</b> Creating a Web Service .....	11-15
<b>Lab 11.2:</b> Create a Windows Forms Application to Test the Web Service.....	11-21

## Module 12: TESTING AND DEBUGGING

<b>Lesson 1:</b> Prerequisite Knowledge .....	12-2
<b>Lesson 2:</b> Testing Seminar Management .....	12-32
<b>Lab 12.1:</b> Create Seminar Management Unit Tests .....	12-40
<b>Lesson 3:</b> Debugging .....	12-48


## Module 13: SQL SERVER OPTIMIZATION

<b>Lesson 1:</b> SQL Server for Microsoft Dynamics NAV .....	13-2
<b>Lesson 2:</b> Representation of Microsoft Dynamics NAV Tables and Indexes in SQL Server.....	13-4
<b>Lesson 3:</b> Collation Options.....	13-6
<b>Lesson 4:</b> SQL Server Query Optimizer .....	13-8
<b>Lesson 5:</b> Optimizing a Microsoft Dynamics NAV Application.....	13-14
<b>Lesson 6:</b> Data Access Redesign .....	13-27
<b>Lesson 7:</b> C/AL Database Functions and Performance on SQL Server .....	13-29
<b>Lesson 8:</b> Bulk Inserts .....	13-34
<b>Lesson 9:</b> Locking, Blocking, and Deadlocks.....	13-36

<b>Lesson 10:</b> SIFT Data Storage in SQL Server.....	13-43
<b>Lesson 11:</b> SQL Server Profiler.....	13-45
<b>Lab 13.1:</b> Analyze Index Usage.....	13-51
<b>Lab 13.2:</b> Optimize C/AL Code.....	13-63

### **Module 14: APPENDIX**

<b>Lesson 1:</b> CRONUS International Ltd. ....	14-2
<b>Lesson 2:</b> Functional Requirements.....	14-4
<b>Lesson 3:</b> Content Structure.....	14-7
<b>Lab 14.1:</b> Function Testing.....	14-9

We created this additional Table of Contents to assist you in quickly finding out the areas that are new and, or changed from the Microsoft Dynamics NAV earlier version for this course. These areas are identified with this icon  throughout the training material.

## **Module 8: DIMENSIONS**

<b>Topic 1:</b> Dimension Types .....	8-4
<b>Topic 3:</b> Dimensions Data Model .....	8-8

## **Module 10: INTERFACES**

<b>Topic 1:</b> Component Object Model (COM) Technologies .....	10-2
<b>Topic 1:</b> Solution Design .....	10-13

## **Module 11: WEB SERVICES**

<b>Topic 5:</b> OData Web Services .....	11-8
--	------

## **Module 12: TESTING AND DEBUGGING**

<b>Topic 5:</b> Transaction Model for Test Functions .....	12-7
<b>Topic 8:</b> Testing Pages .....	12-21
<b>Lesson 3:</b> Debugging .....	12-48