

Introduction

Microsoft Dynamics Courseware Overview.....	0-3
Student Objectives.....	0-4

Module 1: MICROSOFT DYNAMICS NAV DEVELOPMENT ENVIRONMENT

Lesson 1: Basic Objects in Microsoft Dynamics NAV.....	1-2
Lesson 2: Object Designer Fundamentals.....	1-3
Lesson 3: Team Development Features.....	1-15
Lesson 4: Physical and the Logical Databases.....	1-18
Lab 1.1: Designing and Running an Object.....	1-21

Module 2: TABLES

Lesson 1: Table Fundamentals.....	2-2
Lesson 2: Primary and Secondary Keys.....	2-11
Lesson 3: Table Relationships.....	2-18
Lesson 4: Special Table Fields.....	2-30
Lab 2.1: Create a Table.....	2-43

Module 3: PAGES

Lesson 1: Page Fundamentals.....	3-2
Lesson 2: Page Designer.....	3-9
Lesson 3: Page Types and Characteristics.....	3-31
Lab 3.1: Create a Card and a List Page.....	3-52

Module 4: INTRODUCTION TO C/AL PROGRAMMING

Lesson 1: C/AL Programming	4-2
Lesson 2: Intrinsic Data Types.....	4-5
Lesson 3: Identifiers, Variables, and Syntax	4-14
Lesson 4: Variable Scope	4-15
Lab 4.1: Investigate Data Types	4-17

Module 5: ASSIGNMENT STATEMENTS AND EXPRESSIONS

Lesson 1: Assignment Statements.....	5-2
Lesson 2: The Syntax of Statements.....	5-2
Lesson 3: Automatic Type Conversions	5-4
Lesson 4: Use Assignment Statements and the Symbol Menu	5-5
Lesson 5: Expressions, Terms, and Operators	5-13
Lesson 6: The String Operator.....	5-15
Lesson 7: Function Calls in Expressions.....	5-17
Lesson 8: Numeric Expressions	5-21
Lesson 9: Arithmetic Operators.....	5-22
Lesson 10: Relational and Logical Expressions.....	5-31
Lesson 11: Relational Expressions for Comparison.....	5-32
Lesson 12: Relational Expressions for Set Inclusion	5-34
Lesson 13: Logical Expressions.....	5-35
Lab 5.1: Use Logical and Relational Expressions in a Page	5-38

Module 6: C/AL STATEMENTS

Lesson 1: Conditional Statements and Boolean Expressions	6-3
Lesson 2: The IF Statement	6-3
Lesson 3: The EXIT Statement	6-5
Lesson 4: The CASE Statement	6-6
Lesson 5: Compound Statements and Comments	6-7
Lesson 6: The Syntax of Compound Statements	6-8
Lesson 7: Compound Statement by Using Nested IF Statements	6-10
Lesson 8: The Syntax of Comments	6-20
Lesson 9: Practice: Nested IF	6-21
Lab 6.1: Use Conditional and Compound Statements	6-23
Lesson 10: Arrays	6-25
Lesson 11: The Syntax of Arrays	6-26
Lesson 12: The Power of Arrays	6-28
Lesson 13: Strings as Arrays of Characters	6-30
Lesson 14: Repetitive Statements	6-31
Lesson 15: The WITH Statement	6-46

Module 7: C/AL FUNCTIONS

Lesson 1: Functions and Parameters	7-2
Lesson 2: Review Built-in Functions	7-5
Lesson 3: Data Access Functions	7-11
Lesson 4: Sorting and Filtering Functions	7-13
Lesson 5: Data Manipulation Functions	7-16

Lesson 6: Working with Fields	7-19
Lesson 7: User Interaction Functions	7-23
Lesson 8: Other Common CAL Functions	7-29
Lesson 9: Create Custom Functions	7-42
Lesson 10: Local Functions, Variables and the EXIT Statement.....	7-43
Lab 7.1: Create Custom Functions	7-45

Module 8: REPORTS

Lesson 1: Reports Fundamentals	8-2
Lesson 2: Report Design Process	8-6
Lesson 3: Design the Data Model	8-7
Lesson 4: Creating a Data Model	8-10
Lesson 5: Designing the Layout.....	8-14
Lesson 6: The Request Page Designer.....	8-22
Lesson 7: Design the Request Options Page	8-23
Lesson 8: Grouping and Totaling	8-28
Lesson 9: Add Advanced Features	8-37
Lab 8.1: Creating a Basic Report.....	8-45

Module 9: XMLPORTS

Lesson 1: XMLPort Fundamentals.....	9-2
Lesson 2: Design XMLports	9-5
Lab 9.1: Create an XMLport to Export XML Data.....	9-18
Lesson 3: Importing and Exporting Plain Text	9-22
Lab 9.2: Create an XMLport to Export Variable Text	9-26
Lesson 4: Using XMLports in C/AL Code.....	9-28

Module 10: CODEUNITS


Lesson 1: Codeunit Fundamentals.....	10-2
Lesson 2: Design Codeunits.....	10-3
Lesson 3: Use Codeunits	10-4
Lesson 4: SMTP.....	10-11

Module 11: MICROSOFT .NET FRAMEWORK INTEROPERABILITY

Lesson 1: The DotNet Data Type.....	11-3
Lesson 2: Data Type Mapping and Assignment	11-14
Lesson 3: .NET Framework Interoperability C/AL Functions.....	11-25
Lab 11.1: Use a Dictionary Object.....	11-29
Lesson 4: Streaming	11-36

Module 12: QUERIES

Lesson 1: Query Design.....	12-2
Lab 12.1: Using a Query from a Chart.....	12-27
Lesson 2: Accessing Queries from C/AL.....	12-34
Lab 12.2: Using Queries in C/AL.....	12-41
Lesson 3: Advanced Query Concepts	12-47

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 1: MICROSOFT DYNAMICS NAV DEVELOPMENT ENVIRONMENT

Lesson 1: Basic Objects in Microsoft Dynamics NAV	1-2
--	-----

Module 3: PAGES

Topic 8: The Ribbon.....	3-7
Topic 1: Control Type and Subtype.....	3-9
Topic 6: Preview Mode.....	3-18
Topic 11: StandardDialog Page	3-49

Module 4: INTRODUCTION TO C/AL PROGRAMMING

Topic 2: String Data Types	4-8
---	-----

Module 7: C/AL FUNCTIONS

Topic 1: CALCFIELDS	7-19
Topic 2: SETAUTOCALCFIELDS	7-20
Topic 3: CALCSUMS.....	7-21

Module 9: XMLPORTS

Topic 5: Node Properties for Import.....	9-9
Topic 6: Design and Run XMLports.....	9-11

Module 11: MICROSOFT .NET FRAMEWORK INTEROPERABILITY

Topic 4: Events.....	11-6
Topic 6: Local and Global Scope	11-24
Topic 3: GETDOTNETTYPE	11-26
Topic 4: CANLOADTYPE.....	11-28