

# Kurs-Dokumentation



**Zentrum für Informatik ZFI AG**

## **Introduction to Microsoft .NET Development (NIDV-0412) -IT Ausbildung nach Mass**

<http://www.zfi.ch/NIDV-0412>

Weitere Infos finden Sie unter [www.zfi.ch](http://www.zfi.ch) oder via Adresse:

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<b>Titel</b>	<b>Introduction to Microsoft .NET Development</b>
<b>Untertitel</b>	
<b>Einleitung</b>	
<b>Ihr Nutzen</b>	<p>After completing this course, students will have a fundamental understanding of how to:</p> <ul style="list-style-type: none"> <li>- Create a simple .NET solution by using Microsoft Visual J# .NET, Microsoft Visual C# .NET, and Microsoft Visual Basic .NET.</li> <li>- Use Visual Studio .NET.</li> <li>- Build simple Microsoft ASP.NET applications.</li> <li>- Access data in a variety of formats.</li> <li>- Apply object-oriented programming concepts.</li> <li>- Create a simple .NET application based on the Microsoft Windows application template.</li> <li>- Work with XML data.</li> <li>- Create a Web service.</li> <li>- Build scalable and reliable applications.</li> <li>- Apply core security concepts in the .NET Framework 2.0.</li> <li>- Use the lifecycle tools included in Visual Studio.</li> <li>- Configure and deploy an application built on the .NET Framework 2.0.</li> <li>- Interoperate with existing applications.</li> <li>- Migrate existing applications to the .NET Framework 2.0.</li> <li>- Build applications for mobile devices.</li> <li>- Develop applications with Microsoft SQL Server 2005.</li> <li>- Understand the capabilities of Visual Studio Team System.</li> </ul>
<b>Voraussetzungen</b>	<p>Before attending this course, students should have:</p> <ul style="list-style-type: none"> <li>- Basic programming experience with Visual Basic, Visual Basic Scripting Edition, C, C++, or Java.</li> <li>- Familiarity with Microsoft development technologies such as Windows Forms and Active Server Pages (ASP).</li> </ul>
<b>Teilnehmerkreis</b>	<p>This course is intended for experienced programmers who are evaluating .NET tools and technologies, such as Microsoft Visual Studio .NET 2005 and the .NET Framework 2.0, and provides pointers to resources where they can obtain specific skills for creating applications, components, and services built on the .NET Framework.</p>
<b>Unterlagen</b>	<b>Original Microsoft Unterlagen</b>
<b>Folgekurse</b>	
<b>Inhalt</b>	<ul style="list-style-type: none"> <li>- Introduction to Microsoft .NET</li> <li>- The Microsoft Application Platform</li> <li>- was bietet Outlook?</li>   <li>- Die Arbeitsoberfläche</li> <li>- Outlook starten und beenden</li> <li>- Introduction to Web Services</li> <li>- Inside the .NET Framework</li> <li>- Introduction to .NET Languages</li> <li>- Microsoft Developer Tools Roadmap</li> </ul>

- Using Visual Studio
  - Introduction to Visual Studio
  - Using Visual Studio for Windows Application Development
  - Using Visual Studio for Web Application Development
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- Building ASP .NET Applications
  - Introduction to ASP .NET
  - Using Web Forms
  - Introduction to ASP.NET Mobile Web Applications
  - Introduction to ASP.NET Application Services
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- Using ADO.NET
  - Introduction to ADO.NET
  - The ADO.NET Object Model
  - Using .NET Framework Data Providers
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- Applying Object-Oriented Programming Concepts
  - Introduction to Classes and Their Members
  - InheritanceNamespaces and Assemblies
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- Developing Windows ApplicationsIntroduction to Windows ApplicationsUsing Windows FormsVisual Inheritance
- Using XML in .NETXML in .NETUsing the XML DesignerADO.NET and XML
- Web ServicesIntroduction to Web ServicesCreating and Implementing Web ServicesDeploying and Securing Web ServicesConsuming Web ServicesWeb Services Enhancements
- Security in .NETCode-Based SecurityRole-Based SecurityAdditional Security Measures
- Configuring and Deploying .NET-Based ApplicationsConfiguring .NET Framework ApplicationsUsing Assemblies in .NET Framework ApplicationsDeploying .NET Framework Applications
- COM InteroperabilityIntroduction to Application InteroperabilityCalling COM Objects from .NETCalling .NET Components from COMUsing Platform Invoke
- Developing with Microsoft SQL Server 2005Introduction to SQL Server 2005Programming SQL ServerWorking with XML Introducing SQL Server Service Broker
- Introduction to Visual Studio Team SystemUnderstanding the Visual

**Studio Team System Components Using Team System for Requirements and Design Programming with Team System Quality Assurance with Team System**

**Beitrag**

**Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).**