Whether you work in database or design (or maybe even both), a position in Internet Technology fuels a promising career. And as is the nature of the industry, keeping up with the latest skills and technology is crucial to furthering your career.

The UWM School of Continuing Education (SCE) offers comprehensive curriculum for IT professionals like you.

You’ll experience expert instruction, hands-on experience and real-life situations that provide effective techniques you can immediately implement in your day-to-day operations.

Strengthen your professional value and marketability with ongoing education at SCE. Look at what you can do this Fall:

- Enhance SharePoint and Silverlight products and technologies
- Learn to create a basic flash website
- Explore the fundamental structure of .NET applications and concepts
- Accomplish more in less time with restructured Web Development and Web Design certificates
- Social Media is all the rage—use it to drive customers to your website
- Gain technical understanding of popular social media tools

For more information, contact us any time. We look forward to working with you.

Sincerely,

Nancy Mathews
Program Director
Computer Technology
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A Web Certificate arms you with the knowledge and skills you need to advance your career. And now when you have two areas of specialization to choose from, making your Certificate even more valuable to your specific career path.

### WEB DESIGN TRACK
*Must complete six core courses and four electives*

Focus on effective site construction and consistent page design. Learn to design sites that communicate effectively, are accessible to the widest audience and are attractively designed. Discuss information flow, designing pages and building web graphics.

#### CORE COURSES
- HTML - I *
- HTML - II *
- Cascading Style Sheets - I
- Technology Behind the Internet
- Website Design Essentials - I
- Website Design Essentials - II

### WEB DEVELOPMENT TRACK
*Must complete five core courses and five electives*

Learn the basic technologies that integrate the Web browser and server into an organization’s application environment. From simple interactivity through access to legacy applications - the variety of applications are all part of this track’s objectives. Get the tools needed to build Internet enabled applications, linking older databases and applications, and designing new applications.

#### CORE COURSES
- HTML - I *
- HTML - II *
- Cascading Style Sheets - I
- Relational Database Design Essentials
- Technology Behind the Internet

### ELECTIVES
* Electives can be taken from either track:

<table>
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* Courses can be substituted for those with prior experiences.
** Counts as 2 courses
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**Note:** All courses are subject to change.
**New!**

**.NET 2.0 – PRACTICAL APPLICATION DEVELOPMENT**

Prerequisite: Basic understanding of programming concepts and structures

Discover how straightforward it is to create computer applications and websites with Microsoft Visual Studio 2008. Explore ASP.NET, VB.NET and C# languages in this all inclusive development solution. You will leave this course with the skills necessary to create these applications on your own. Sample code from classroom examples and projects will be provided.

**TOPICS INCLUDE:**
- Setup in Visual Studio 2008
- Configuration files
- Source control and management
- User Interface
- Master pages
- Session
- Menus, panels, labels
- Buttons, radio buttons, checkboxes
- Grid and list view
- Form and control event handlers
- Transferring data to controls
- Encryption
- Username and passwords
- Connection objects
- Connecting databases to controls
- Saving and loading data

Counts as two courses toward the Web Development Certificate (See p.4 for details).

**OCT. 20-22**

#5071-1451

Time: 8:30am-4:30pm

Fee: $699

Instructor: Scott Lovy

CEUs: 2.1

---

**ASP.NET**

Prerequisite: Intro to .NET programming course or knowledge of VB.NET

ASP.NET is the Microsoft solution for building dynamic and scalable enterprise eCommerce/Web applications. Cover all essential features of this technology using Visual Basic.NET as the programming language. ASP.NET also can --utilize any one of the .NET family languages. Explore new features added with the latest release of ASP.NET. Adequate hands on opportunity will be provided to drive home the concepts covered in the class.

**TOPICS INCLUDE:**
- IIS and the ASP.NET runtime environment
- Compilation in current ASP.NET
- Database access using LINQ
- ASP.NET Security
- Building a Web Service using WCF
- AJAX

Counts as two courses toward the Web Development Certificate (See p.4 for details).

**NOV. 8-10**

#5071-1440

Time: 9am-5pm

Fee: $699

Instructor: Subbu Ramanathan

CEUs: 2.1

---

SAVE MONEY AND TIME **ONSITE TRAINING SOLUTIONS**

details on pg 22
CASCADING STYLE SHEETS - I

Prerequisite: HTML - I and II, Technology Behind the Internet

Cascading Style Sheets are an important component of dynamic HTML pages. Learn the basics of separating style from structure within an HTML document. The HTML 4.0 rules rely on Style Sheets for all stylistic presentation. The Web Accessibility Initiative makes use of CSS for improving access for the disabled, and new work on HTML and XML will continue to make heavy use of CSS for the future.

TOPICS INCLUDE:
- Importance of style sheets
- Syntax
- Three different types of style sheets
- Class and ID selectors
- Inheritance/Cascading
- Introduction to positioning

OCT. 1
#5071-1443
Time: 8:30am-4:30pm
Fee: $299
Instructor: Andy Biewer
CEUs: .7

CASCADING STYLE SHEETS - II

Prerequisite: Cascading Style Sheets - I

Take Cascading Style Sheets to the next level. Focus on using style for positioning, visual formatting of web pages, control of media types and interaction with scripting. The result is dramatic control over web page design.

Take basic skills in HTML and CSS and explore the advanced design techniques possible using style. Investigate user design strategies that can be applied in almost any site. With a special focus on browser compatibility the course makes sure that designers know what is possible – and what is risky – using CSS. The advanced designer gains a real hands-on appreciation for the potential of style-enhanced design.

TOPICS INCLUDE:
- Positioning of objects and texts
- Layers and z-index
- Content clipping
- Controlling
- Managing browser compatibility
- Validation of CSS documents and test suites
- Tables and CSS
- Style elements in forms
- Menus and user interface design using CSS
- The future of CSS

OCT. 15
#5071-1444
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

“The instructor did an excellent job explaining content covered in the course.”

– Richard Gibbons, Assurant Health
CREATING WEBSITES FOR MOBILE DEVICES

Prerequisite: HTML - I and Cascading Style Sheets - I

With the increasing popularity of Web-enabled portable devices, it’s important to know how to create sites for mobile devices. In this course, you will learn about the benefits and techniques to create sites for mobile devices.

TOPICS INCLUDE:
• Benefits of having a mobile site
• Mobile standards
• Differences between PCs and mobile devices
• Mobile site structure and design
• Navigation and access
• Mobile domain names
• Best practices

NOV. 19
#5071-1441
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

CRYSTAL REPORTS - I

Prerequisite: Understanding of databases. Knowledge of SQL a plus but not required

Learn how to create professional reports with Crystal Reports. Survey all the features including new ways of implementing parameter reports.

TOPICS INCLUDE:
• Report formatting and organization
• Expressions, formulas and functions
• Introduction to complex reports
• Visual elements

Counts as two courses toward the Web Development Certificate (See p.4 for details).

OCT. 12-13
#5071-1442
Time: 8:30am-4:30pm
Fee: $525
Presenter: Hannah Goodman
CEUs: 1.4

Update your skills
Earn a Web Certificate
See page 4 for details.
DEFINING AND MANAGING BUSINESS REQUIREMENTS

Understanding and articulating business requirements for automated systems is the weakest link in systems development. Using realistic cases, participants practice discovering, understanding and documenting clear and complete business requirements that speed development, reduce maintenance and delight customers.

TOPICS INCLUDE:
• Requirements role and importance
• Discovering “REAL” requirements
• Data gathering and analysis
• Documentation formats
• Getting more clear and complete
• Managing the requirements

Counts as two courses toward the Web Design or Development Certificate (See p.4 for details).

OT. 25-26
#5025-0367
Time: 8:30am-4:30pm
Fee: $845
Instructor: Robin Goldsmith
CEUs: 1.4/PDUs: 14

New!
DOTNETNUKE

DotNetNuke is the leading Web Content Management Platform for Microsoft .NET. DotNetNuke can be used as a web content management system (CMS) for simple web sites or as a powerful application development framework which enables businesses to quickly build and deploy feature-rich, interactive web sites and applications in Microsoft .NET.

An intuitive, menu-driven interface allows non-technical users to easily create new sites or extend the functionality and features of their existing site when used as a web CMS. An open API and the availability of over 6,000 third-party add-on modules available through Snowcovered.com allow you to create complex sites for demanding applications. Installing new modules or skins is quick and easy, allowing users to deploy new functionality in just minutes.

TOPICS INCLUDE:
• DNN installation
• Framework discovery
• Module discovery
• Content management
• 3rd party skins and modules

Counts as two courses toward the Web Design or Development Certificate (See p.4 for details)

DEC. 1-2
#5071-1463
Time: 8:30am-4:30pm
Fee: $525
Presenter: Scott Lovy
CEUs: 1.4
DREAMWEAVER - I

Prerequisite: HTML - I and II or equivalent experience

This course is an introduction to the productivity aspect of Macromedia’s visual editor, Dreamweaver, the standard for web page layout.

Define a site in Dreamweaver to organize and maintain the web pages; and create a basic web page by typing text and applying character and paragraph formatting. Use Site Panel to create and organize files and folders. Insert images, set image properties, create and format tables. Add links within a site, create anchors and specify external links, as well as use images as links, and create image maps. Build a frame-based set of pages. Upload a site to a remote web server.

TOPICS INCLUDE:

• Internet access and HTML
• Creating and building a website
• Adding content to web pages
• Working with links
• Enhancing navigation in a site
• Managing and uploading a website

OCT. 4
#5071-1445
Time: 8:30am-4:30pm
Fee: $299
Instructor: Ericka Mendez
CEUs: .7

DREAMWEAVER - II

Prerequisite: Dreamweaver - I

Dreamweaver - II concentrates on advanced concepts of the Dreamweaver web development application. Expand the knowledge gained in the Dreamweaver - I course. Work with advanced website creation features available in Dreamweaver, including libraries and behaviors. Use many new features available within the HTML 4 standard including style sheets and layers.

TOPICS INCLUDE:

• Rollovers and navigation bars
• Libraries
• Defining head elements and managing keyboard shortcuts
• Style sheets
• Layers
• The history panel
• Browser targeting and code tools
• Creating forms

OCT. 25
#5071-1446
Time: 8:30am-4:30pm
Fee: $299
Instructor: Ericka Mendez
CEUs: .7
FLASH - CREATING A BASIC FLASH WEBSITE

Prerequisite: Flash - Web Animation and Interactivity and Dreamweaver - I

You will learn to build a basic flash website using Adobe Flash and Dreamweaver. After discussing the advantages and disadvantages of flash websites and seeing some examples, you will learn how to create a flash website. This is a task-based course in which you learn through demonstration and hands-on activities. You are guided in creating your website.

TOPICS INCLUDE:
- Working with HTML and Flash
- ActionScript
- Web design and usability
- Utilizing buttons for navigation

COMING SPRING, 2011
Time: 8:30am-4:30pm
Fee: $299
Presenter: Adam Hudson
CEUs: .7

FLASH - WEB ANIMATION AND INTERACTIVITY

Prerequisite: Experience with HTML and Windows or Macintosh operating system

Understand Adobe Flash and how it is used on the web to create low-bandwidth, cross-platform compatible animations and other interactive content. The course is task-based and you will learn by working through examples and creating your own content. Along with an introduction to the Flash authoring environment the course will focus on the importance of good design, publishing for the web and usability.

TOPICS INCLUDE:
- The Adobe Flash development environment
- Symbols, graphics, movie clips, instances and using the library
- Creating Graphics and text
- Working with layers, frames, the timeline and toolbar
- Animations, including frame-by-frame, motion tweens and shape tweens
- Using buttons for navigation
- Attaching ActionScript to buttons
- Sound
- Video
- Publishing for the web

Counts as two courses towards the Web Design Certificate (see pg. 4 for details).

OCT. 18-19
#5071-1470
Time: 8:30am-4:30pm
Fee: $525
Instructor: Adam Hudson
CEUs: 1.4

Did You Know?
You Receive $100 Off Your Final Certificate Class.
**HTML - I**

Prerequisite: Familiarity with Windows, and process of browsing the web. No prior knowledge of Web authoring is expected.

Use HTML code to create a basic web page with formatted text, images and links and gain a better understanding of how to edit more complicated web pages. Develop an understanding of the construction of HTML as a language and how to work more efficiently.

**TOPICS INCLUDE:**
- Overview of how HTML works with browsers
- Introduction to the place of HTML, XML and XHTML
- Basic structure of web pages
- Text layout using HTML
- Fonts, colors and formatting for web pages
- Incorporating graphics in web documents
- Understanding and creating hyperlinked pages
- Creating and editing HTML lists
- Introduction to how HTML interacts with servers

**SEPT. 10**
#5071-1447 or

**DEC. 3**
#5071-1448
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

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**HTML - II**

Prerequisite: Web page development using HTML - I or equivalent experience

Learn intermediate HTML techniques to better organize pages and enhance communication. Class also introduces the importance of enhancing navigation, assessing information and adapting it to the web and creating logical flow throughout a site. Gain greater layout control by using tables, creating image maps and developing the interactivity of a site with online forms.

**TOPICS INCLUDE:**
- How websites are structured
- Why XHTML is important to web design
- Using tables to present information
- Using tables to control web page layout
- How to create pages using frames
- Creating HTML forms for collecting information
- How HTML forms interact with web servers
- Building multi-linked image maps
- Overview of web authoring tools and technologies

**SEPT. 17**
#5071-1449 or

**DEC. 10**
#5071-1450
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

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Update your skills
Earn a Web Certificate
See page 4 for details.
JAVASCRIPT - THE KEY TO CREATING INTERACTIVE WEB PAGES

Prerequisite: HTML - I and II or equivalent experience

Looking for new ways to make web pages more powerful and dynamic? JavaScript is the core of Dynamic HTML and the key to creating interactive web pages. JavaScript is a programming language that expands the range of capabilities, enabling you to add dynamic elements and interactivity to your HTML code. Use JavaScript to add dynamic text to HTML pages, validate data, react to events, create cookies to store and retrieve information, and learn the essentials of the Document Object Model. Get first-hand experience in designing dynamic web pages.

TOPICS INCLUDE:
• Orientation to scripting at the browser
• Languages available for client-side scripting
• Introduction to the JavaScript language and format
• Incorporating JavaScript into web pages
• Techniques for JavaScript image/multimedia management
• Essentials of the Document Object Model
• Interacting with browser users
• Using JavaScript to manage frames and windows
• JavaScript and HTML forms

NOV. 1
#5071-1453
Time: 8:30am-4:30pm
Fee: $299
Instructor: Vairavan Vairavan
CEUs: .7

PHOTOSHOP - I

Prerequisite: Experience using Windows

In this introduction to the core tools of Adobe Photoshop, explore the basics of working with images and layers to produce sophisticated graphics for the web and print.

TOPICS INCLUDE:
• Using the Photoshop environment
• Working with images and selections
• Resizing images
• Creating and modifying layers
• Adjusting and retouching images
• Preparing finished images for the web and print

NOV. 2
#5071-1454
Time: 8:30am-4:30pm
Fee: $299
Instructor: Ericka Mendez
CEUs: .7
PHOTOSHOP - II

Discover the powerful imaging and editing features of this program to build sophisticated graphics for the web and print. This course builds on the skills acquired in the Photoshop - I course.

TOPICS INCLUDE:
• Fills and overlays
• Adding masks
• Working with vector paths
• Adding image effects
• Automating tasks

PHOTO SHOP - II

Prerequisite: Photoshop - I or equivalent experience

NOV. 30
#5071-1455
Time: 8:30am-4:30pm
Fee: $299
Instructor: Ericka Mendez
CEUs: .7

PHP - I

Build dynamic websites using the PHP programming language even with limited programming experience. PHP is a rich programming language that many companies use to build database driven and dynamic websites. Discover the most important range of PHP features and functions in depth. The course is intended as an introduction and the pacing is adjusted to suit the needs of web developers and non-programmers.

TOPICS INCLUDE:
• Understanding PHP’s place in web application design
• Fundamental structure of PHP web pages
• How variables and forms work in PHP
• Numbers and math operations for web applications
• Controlling PHP program execution
• How arrays and strings are processed in PHP
• Basics of regular expressions and functions
• How PHP interacts with files and directories
• Creating, reading and deleting browser cookies
• Strategies for using PHP with databases to create dynamic web pages

COMING SPRING, 2011
Time: 8:30am-4:30pm
Fee: $299
Instructor: Vairavan Vairavan
CEUs: .7

Prerequisite: HTML - I or equivalent experience

#5071-1455
Time: 8:30am-4:30pm
Fee: $299
Instructor: Vairavan Vairavan
CEUs: .7

METROGRAPHICS
612-771-4530
www.metrographicsmn.com

SAV E  MONEY  AND  TIME  ONSITE  TRAINING  SOLUTIONS  details  on  pg  22
RELATIONAL DATABASE DESIGN ESSENTIALS

Gain the tools to understand relational database terminology and the design process. If you are using Access, SQL Server and other relational DB products, it’s important you understand how to properly design a database, otherwise it could cost you valuable time and money.

TOpicS INCLUDE:
• Relational model
• Tables and fields
• Indexing
• Relationships
• Data integrity
• Retrieving data
• SQL
• Design process
• How do you design your own database?
• Create a sample using MySQL

OCT. 6
#5071-1457
Time: 8:30am-4:30pm
Fee: $299
Instructor: Hannah Goodman
CEUs: .7

SEO - SEARCH ENGINE OPTIMIZATION

Today this is the most sought after skill in web design. Learn the latest techniques for getting more traffic to your website which inevitably increases your company’s bottom line.

TOpicS INCLUDE:

Tracking Website Statistics with Google Analytics
• Charts and data
• Visitors
• Page views
• Referral sources

Website Programming for Search Engines
• Meta tags
• Content
• Web page naming
• Domain names
• Keyword density for pages
• Competition pages
• Landing pages

Pay Per Click Traffic
• Keyword analysis
• Google AdWords
• Setting up your budget

Google Page Ranking
• Incoming and outgoing links
• Banner advertisement
• Blogs

SEO Plans
• Setting and monitoring goals
• Implementing plans

DEC. 16
#5071-1461
Time: 8:30am-4:30pm
Fee: $299
Instructor: Scott Lovy
CEUs: .7
New!

**SHAREPOINT DESIGN AND IMPLEMENTATION: INTRO TO SHAREPOINT 2007 DESIGNER**

Prerequisites: General knowledge of HTML and Web Development Basics (a general intro of .NET will be discussed in class)

The Intro to SharePoint 2007 Designer course provides you with the knowledge necessary to work with SharePoint Designer, enhance SharePoint products and technologies, work with key integration points, use CSS editing tools to create and modify SharePoint themes and supplement SharePoint Designer functionality by using Microsoft Visual Studio to create a rich interactive experience.

**TOPICS INCLUDE:**
- Exploring SharePoint Designer
- SharePoint from the user’s perspective
- SharePoint from the administrator’s perspective
- SharePoint from a SharePoint Designer’s perspective
- Customizing the SharePoint look and feel
- Applications without programming
- Programming on the client side
- Beyond SharePoint designer

Counts as two courses toward the Web Development Certificate (See p.4 for details).

**NOV. 15-17**

#5071-1458
Time: 8:30am-4:30pm
Fee: $699
Presenter: Samir Kablaoui
CEUs: 2.1

New!

**SILVERLIGHT - CREATING ENGAGING, INTERACTIVE APPLICATIONS**

Prerequisites: .NET 2.0 - Practical Application Development

Silverlight is a powerful development platform for creating engaging, interactive applications for many screens across the Web, desktop and mobile devices. In this 2-day introductory course, you will learn the how to create rich Silverlight applications using MS Visual Studio and Expression Blend. The course will cover layout management in Silverlight, Silverlight controls, data binding and Silverlight list controls, styling in Silverlight, transformation and animation, local storage, an introduction to expression blend, and hands-on development using Microsoft Visual Studio.

**TOPICS INCLUDE:**
- What is Silverlight
- Silverlight in Visual Studio 2008
- Layout management in Silverlight 3
- Silverlight 3 controls
- Data binding and Silverlight list controls
- Local Storage
- Introduction to expression blend
- Styling in Silverlight
- Transformation and animation

Counts as two courses toward the Web Development Certificate (See p.4 for details).

**NOV. 18-19**

#5071-1459
Time: 8:30am-4:30pm
Fee: $699
Presenter: Samir Kablaoui
CEUs: 1.4
SQL - INTRODUCTION

Prerequisite: Experience using Windows and a web browser

Learning how to retrieve information from a database can be quite perplexing. Discover how to query a database properly and effectively, and how to translate the question or task into the correct query. Understanding these skills is critical, otherwise incorrect data and ineffective queries can result.

TOPICS INCLUDE:
• Relational databases
• Select statement
• Column aliases
• Performing calculations
• Conditional operators
• Logical operators
• Nulls
• Where clause
• Order by clause
• Expressions
• Inner and outer joins
• Aggregate functions
• Groupings
• Having clause
• Sub Queries
• Unions

Counts as two courses toward the Web Design or Development Certificate (See p.4 for details).

OCT. 18-20
#5071-1460
Time: 8:30am-4:30pm
Fee: $649
Instructor: Hannah Goodman
CEUs: 2.1

SQL - JOINS

Prerequisites: SQL - Intro (or equivalent experience). Previous knowledge with writing expressions in SQL, as well as how to write a WHERE statement

Master the concept of joins. Learn about inner and outer, as well as self joins.

TOPICS INCLUDE:
• Understanding table relationships
• Venn diagrams
• Inner joins – two ways
• Outer joins
• Mixed joins
• Self joins
• Subqueries as joins

COMING SPRING, 2011
Time: 8:30am-4:30pm
Fee: $299
Instructor: Hannah Goodman
CEUs: .7
SQL SERVER 2008 - DEVELOPER

Prerequisite: Basic understanding of relational databases and knowledge of any flavor of SQL languages

Discover how to work with Microsoft Visual Studio 2008 to develop data-access portions of .NET applications. Address working with .NET Data Providers; working with Object, SQL and XML data Sources, the new MS Entity Framework; and understanding the new LINQ language for data access.

TOPICS INCLUDE:

• Implementing tables, views and programming objects
• Working with query fundamentals
• Applying additional query techniques
• Working with additional SQL server components
• Working with XML data
• Gathering performance information

Counts as two courses toward the Web Development Certificate (See p.4 for details).

DEC. 6-8
#5071-1462
Time: 8:30am-4:30pm
Fee: $699
Instructor: Samir Kablaoui
CEUs: 2.1

TECHNOLOGY BEHIND THE INTERNET

Cover basic technical concepts and services that make the Internet work. Discover what goes on “behind the screens” when connecting to and using the Internet. Learn about key standards, services and protocols that make communication possible and provide the foundation for all services on the Internet.

TOPICS INCLUDE:

• History and structure of the Internet
• The effect of interoperability on the Internet
• How people and computers get connected
• Roles of key providers of Internet services
• Basic Internet technologies (IP, TCP, UDP, etc.)
• Understanding the technology behind key services
• Multimedia and the Internet
• The Internet’s ecommerce environment
• Internet security and personal protection

NOV. 12
#5071-1452
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

“I definitely recommend the class! Loved the small size, I give it an A!”

– Caroline Roling,
Clear Gull Inc.
USING SOCIAL MEDIA TO DRIVE CUSTOMERS TO YOUR WEBSITE

Popular social media websites like Facebook, Twitter, MySpace and Blogger are becoming mainstream marketing tools. Learn how to use social media and online networks to help your business become part of the cultural conversation, drive traffic to your website and build strong brand awareness. This course covers basic usage of social media, as well as the latest market trends in using these tools. Additionally, you learn how to use these platforms in creative ways to reach your intended audience.

TOPICS INCLUDE:
• Social media overview and stats
• Key demographic data
• Platform overviews
• Micro-content
• Social and professional networking
• Video
• Others
• Strategic approach
• Company or project goals
• Targeting your audience
• Hub and spoke
• Website as home base
• Outposts for key audiences
• Traffic drivers
• Metrics and conversion
• Analyze and adapt

FRI. OCT. 22
#5071-1471
Time: 8:30am-4:30pm
Instructor: Jamey Shiels
Fee: $299
CEUs: .7

VBA FOR ACCESS

Prequisites: Access - IV or equivalent experience. Previous programming experience is not necessary, but definitely a plus

Turn an Access database into a full fledged application. Learn where to put code and the structure of the VBA language. Create a variety of forms and master various programming techniques.

TOPICS INCLUDE:
• Customizing applications with Visual Basic
• Finding and filtering records in a form
• Responding to data entry events
• Writing your own functions
• Monitoring and debugging your code
• Gathering information in a dialog box
• Navigating through applications

Counts as two courses toward the Web Development Certificate (See p.4 for details).

NOV. 8-9
#5070-4618
Time: 8:30am-4:30pm
Fee: $525
Instructor: Hannah Goodman
CEUs: 1.4
VBA FOR EXCEL

Prerequisites: Excel - III or equivalent experience

Gain skills necessary to apply VBA to develop macros, format worksheets, create user-interactive macros, work with multiple worksheets and perform calculations. Apply this new knowledge to simplify work in the Excel environment by automating many of the repetitive tasks that are part of spreadsheet development.

TOPICS INCLUDE:
- Developing macros
- Macros for formatting worksheets
- Creating an interactive worksheet
- Macros for working with multiple worksheets
- Performing calculations

NOV. 10
#5070-4619
Time: 8:30am-4:30pm
Fee: $299
Instructor: Hannah Goodman
CEUs: .7

WEBSITE DESIGN ESSENTIALS - I

Prerequisite: Experience using Windows and a web browser and HTML - I

Be introduced to web design principles that can be applied to your own web pages. Receive guidance on planning the design of websites and good practices of web design by evaluating other websites. Explore a model for web authors publishing online and experience web design from the visitor's perspective.

TOPICS INCLUDE:
- Why "designing for users" matters
- Criteria for usability
- Guidelines for producing "usable" web content
- Introduction to site types and architectures
- Design of effective navigation tools for users
- Strategies for page layout and page design
- How <META> tags affect design and usability
- New technologies affecting web design
- Basic issues for incorporating multimedia
- DHTML and web design
- Accessibility

OCT. 29
#5071-1465
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7
WEBSITE DESIGN ESSENTIALS - II

Prerequisite: Website Design Essentials - I or equivalent experience

This course extends the lessons learned in Website Design Essentials - I. It provides the tools for better web design, including an emphasis on graphics and JavaScript. Making a site more interactive for the user is also covered, using a variety of tools and technologies. Additionally, managing and maintaining a site is covered to make administration easier.

TOPICS INCLUDE:
- What makes a site "good"
- Graphics and web design
- Client-side scripting using JavaScript
- Validation and Doctypes
- The role of CSS (cascading style sheets)
- Editors and content management
- Adding interactivity to your site

NOV. 5
#5071-1466
Time: 8:30am-4:30pm
Fee: $299
Instructor: Rick Neff
CEUs: .7

XML ESSENTIALS

Prerequisite: Exposure to webpage design and development and knowledge of HTML

XML (Extensible Markup Language) provides a standard approach for describing, capturing, processing and publishing data. The openness and extensibility of this language has made it very popular for a variety of applications. Receive an introduction on how to create an XML document; validate an XML document using Document Type Definition (DTD) and XML-Schema; and rendering options for an XML document. Hands-on exercises help students get familiar with the material.

TOPICS INCLUDE:
- What is XML and why do we need it
- The basic syntax of XML
- Well-formed and valid XML documents
- Creating and using a DTD
- Different options for rendering an XML document
  - XML and Cascading Style Sheets (CSS)
  - XML and Extensible Stylesheet Language (XSL)
  - XML and XML Document Object Model (DOM)
- Creating and using XML Schemas (XSD)
- XML – today and tomorrow

COMING SPRING, 2011
Time: 9am-5pm
Fee: $299
Instructor: Subbu Ramanathan
CEUs: .7
RELATED CLASSES

AGILE PROJECT MANAGEMENT
OCT. 11-12 #5025-0355

BUSINESS ANALYSIS ESSENTIALS
NOV. 9-10 #5025-0359

DEFINING AND MANAGING BUSINESS REQUIREMENTS
OCT. 25-26 #5025-0367

DETERMINING AND COMMUNICATING THE PROJECT VALUE
OCT. 27 #5025-0368

PROJECT MANAGEMENT FOUNDATIONS
AUG. 12-13 OCT. 7-8 #5025-0350 #5025-0351

RELATED AREAS

COMPUTER APPLICATIONS
sce-computerapps.uwm.edu

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FOR FURTHER INFORMATION:
For general information or logistics: 414-227-3220.

For course content: Nancy Mathews, nancym@uwm.edu or 414-227-3264.

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