



**EFFECTIVE: SEPTEMBER, 2007**  
**CURRICULUM GUIDELINES**

**A.** Division: Education Effective Date: September 2007

**B.** Department / Program Area: Commerce & Business Admin.  
 Computing Science And Information Systems

Revision  New Course

If Revision, Section(s)  
 Revised:  
 Date of Previous Revision:  
 Date of Cur

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Course No	Descriptive Title	Semester Credits
<b>F:</b> Calendar Description: This course will provide the student with an in-depth		

<p><b>M:</b> Course Objectives / Learning Outcomes</p> <p>The student will be able to:</p> <ol style="list-style-type: none"> <li>1) apply ADO .NET to Windows Forms and ASP .NET;</li> <li>2) build web applications using ASP .NET;</li> <li>3) validate form data using server-side validation controls;</li> <li>4) create Windows based applications that interact with a database using server-side programming;</li> <li>5) create dynamic Web applications that interact with a database using server-side programming;</li> <li>6) integrate selected advanced topics in a Visual Basic .NET project;</li> <li>7) create re-usable server components to retrieve data from Jet engine.</li> </ol>										
<p><b>N:</b> Course Content</p> <ol style="list-style-type: none"> <li>1) Review of VB .NET essentials</li> <li>2) Use of Windows files to store data</li> <li>3) Advanced ADO .NET programming: creating and manipulating databases as complex structured objects</li> <li>4) Introduction to XML for transporting data between formats</li> <li>5) Web applications in ASP .NET</li> <li>6) Introduction to ASP, web servers, web clients, ASP .NET IDE</li> <li>7) IIS, managing web projects, file location, creating a virtual directory</li> <li>8) ADO .NET, connection object, data reader, data Adapter, command object</li> <li>9) Web server controls</li> </ol>										
<p><b>O:</b> Methods of Instruction:</p> <p>Lecture, seminar, and hands-on exercises in the lab</p>										
<p><b>P:</b> Textbooks and Materials to be Purchased by Students</p> <p>Kip Irvine &amp; Tony Gaddis. Advanced Visual Basic 2005. Latest edition. Addison Wesley.</p>										
<p><b>Q:</b> Means of Assessment</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Assignments (Minimum: 3)</td> <td style="text-align: right;">20% - 35%</td> </tr> <tr> <td>Participation</td> <td style="text-align: right;">0% - 5%</td> </tr> <tr> <td>Tests/Quizzes (Minimum: 2)</td> <td style="text-align: right;">25% - 40%</td> </tr> <tr> <td>Final Examination</td> <td style="text-align: right;"><u>25% - 30%</u></td> </tr> <tr> <td>Total</td> <td style="text-align: right;"><u>100%</u></td> </tr> </table>	Assignments (Minimum: 3)	20% - 35%	Participation	0% - 5%	Tests/Quizzes (Minimum: 2)	25% - 40%	Final Examination	<u>25% - 30%</u>	Total	<u>100%</u>
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<p><b>R:</b> Prior Learning Assessment and Recognition: specify whether course is open for PLAR</p> <p>Yes</p>										

Course Designer(s): Adrienne Watt

Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson

Registrar: Trish Angus