A. Division: Education

Effective Date: September 2007

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

Revision ☐ New Course ☒ X

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

urse No	Descriptive Title	Semester Credits

F: Calendar Description:
This course will provide the student with an in-depth

M: Course Objectives / Learning Outcomes
The student will be able to:
1) apply ADO .NET to Windows Forms and ASP .NET;
2) build web applications using ASP .NET;
3) validate form data using server-side validation controls;
4) create Windows based applications that interact with a database using server-side programming;
5) create dynamic Web applications that interact with a database using server-side programming;
6) integrate selected advanced topics in a Visual Basic .NET project;
7) create re-usable server components to retrieve data from Jet engine.

N: Course Content
1) Review of VB .NET essentials
2) Use of Windows files to store data
3) Advanced ADO .NET programming: creating and manipulating databases as complex structured objects
4) Introduction to XML for transporting data between formats
5) Web applications in ASP .NET
6) Introduction to ASP, web servers, web clients, ASP .NET IDE
7) IIS, managing web projects, file location, creating a virtual directory
8) ADO .NET, connection object, data reader, data Adapter, command object
9) Web server controls

O: Methods of Instruction:
Lecture, seminar, and hands-on exercises in the lab

P: Textbooks and Materials to be Purchased by Students
Kip Irvine & Tony Gaddis. Advanced Visual Basic 2005. Latest edition. Addison Wesley.

Q: Means of Assessment

Assignments (Minimum: 3)	20% - 35%
Participation	0% - 5%
Tests/Quizzes (Minimum: 2)	25% - 40%
Final Examination	25% - 30%
Total	100%

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR
Yes

Course Designer(s): Adrienne Watt   Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson   Registrar: Trish Angus