CS495 – Database Web Applications

Winter 2009

Tuesday-Thursday 10:00am – 11:40am

Title: Building complete database applications for the Web

Instructor: Ken Culp kculp@nmu.edu, 227-1841. Please contact me for more information.

Description: In today's world, students should have a good understanding of database design and using databases when creating web sites. During this course, students will develop fairly intricate web sites using advanced form controls and database objects.

Students will be able to program in either C# (similar to Java) or Visual Basic as both languages will be illustrated during the class. The class will begin with an overview of both of these languages which will be a review for some and new material for others.

Our development platform is Microsoft's Web Server (ASP.Net 3.5), Microsoft's Active Data Objects (ADO), and Microsoft SQL databases. However, techniques covered will be generally applicable to other platforms and databases. The reason for choosing Microsoft is because they are increasingly penetrating large businesses. Therefore, knowledge gained in this class should be very useful to graduating seniors.

This class is very similar to CIS355 (not available in winter 2009) but with more emphasis on database operations and an overview of the C# language.

Prerequisites: CIS majors should have as a minimum CIS155 and CS120. CIS students would also benefit from CIS250, CIS255, and CIS464 but these are not required.

Computer Science/Network Computing majors should have as a minimum CS201 but CS326 would be better.

All backgrounds will benefit from prior knowledge of HTML and web development. However, this is not required and can be learned during the class.

Grading: There will be a couple of short exams to insure comprehension of the basic structures and the platform. The remainder of your grade will come from individual and group projects. It is hoped that the class will include external, ASL, projects.

CIS Students: **This class meets the requirement for CIS355 for the current school year.**

Summary: Come learn about this exciting technology and develop skills that will increase your employability and prove handy in the future.