A. Course Description

Credits: 4

Prerequisites: MIS 310 Principles of Management Information Systems AND MIS 328 Applications Development I

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course completes the overview of applications development methods for managers of information systems as begun in the MIS 328 (Applications Development I) course. Advanced features of applications development in Visual Basic are taught, including design prototypes, object-oriented components, code debugging techniques, and utilization of code libraries. Other topics include ADO, ODBC, OLE DB, Database connections with Access and MS SQL, Multiple Tiered application development, and comparisons between WAN and Web applications (with Javascript). The goal is to understand the entire application development process adequately to be able to manage the process.

B. Course Effective Dates: 08/24/2002 - 08/16/2004 08/17/2004 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Become familiar with Windows programming concepts.
2. Gain ability to build simple Web-based applications in Visual Basic.
3. Gain ability to build simple Windows applications in Visual Basic.
4. Gain enough understanding of these processes to be comfortable managing application development.
5. Understand how databases are incorporated into applications.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Recommended: Completion of all MIS Tier One courses (MIS 320, 328, 335 and 467) before taking this course.