MIS 310 : Principles of Management Information Systems

A. Course Description

Credits: 4

Prerequisites: 

MIS 100 Fundamentals of Information Technology in Organizations or equivalent with instructor's consent. 

OR

DATA 211 Data Science and Visualization

Lab Hours/ Weeks: 

Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course is designed to define the role of information systems in organizations, and in particular the roles of IS staff and end-users in developing and maintaining computer systems. The managerial aspects and implications of databases, telecommunications, hardware, software and e-commerce are included. Special attention is given to management information systems theories in the organizational setting including: infrastructure, transaction processing, operational reporting, decision support systems and executive information systems. Also included are all phases of the systems development life cycle (SDLC) as well as alternative development methodologies. The course prototypically includes analysis of real world business cases and post-implementation audit report of a recently completed management information system. All students taking this class must have completed as a prerequisite the MIS 100 Fundamentals of Information Technology in Organizations course or its approved equivalent. Students should also note that this course is no longer offered as a theory seminar or as a prior learning experience, but students with significant prior work experience in the field of MIS are highly encouraged to take the internet study section for this course, which is appropriately more challenging.

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. Knows the components of an information system, as well as the attributes for assessing the enterprise scale performance of the system
2. Understands elementary project management for information technology.
3. Understands the different approaches towards information systems application development and deployment.
4. Understands the distinction between flat file data management (spreadsheets) versus multi-table relational databases, and can assess correctly when to use a spreadsheet tool or a relational database management system.
5. Understands the roles and functions with an IS/IT department of an organization.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Microsoft Office 2016, or Microsoft Office 365, is required for this course. The software is available on computers in the library and installed in all campus labs for student use.

Community Engagement