

SIGNATURE PAGE
Curriculum Proposal Form #3

NEW COURSE

DEGREE / PROGRAM TITLE: MS - Management Computer Systems

Robert L. Hurler 3/12/97
Proposal Sponsor Date of Submission

Robert L. Hurler MCS 3/12/97
Chair of Sponsoring Department Department Approval Date
Misses Committee Name

Donald K. Quinn 4/3/97
Chair, College Curriculum Committee Approval Date

J. O. Smith B+E 4-3-97
Dean of College College Approval Date

FOR UNDERGRADUATE ACTIONS:

Chair, Diversity / General Ed. Committee Recommended Not Recommended _____ Date
(If Course is to be considered as a Diversity/GS Option)

Chair, University Curriculum Committee Approved Not Approved _____ Date

Chair, Faculty Senate Approved Not Approved _____ Date

FOR GRADUATE ACTIONS:

M. Lee Approved Not Approved 4-18-97
Chair, Graduate Council Date

FINAL APPROVAL:

Provost & Vice Chancellor for Academic Affairs _____ Date Received

RECORD OF OTHER ACADEMIC UNITS CONSULTED:

ACADEMIC UNITS	SIGNATURE	DATE	*ACTION
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(*for graduate course only - indicate "Approve", "No Contest", or "Disapprove")

I. Course Justification

Organizations are increasingly relying on information technologies to remain viable in competitive business environments. Today's information systems professionals make design and project management decisions that require an understanding of how technology influences and is influenced by corporate structure, processes, goals, strategies, and policies. The goal of this course is to teach students the concepts, methods, and practices needed to manage information technology and information technologists.

The course and its topics were defined based on a survey of information systems professionals and their employers. Significant input was also made by the MCS business advisory board and the committee of outside consultants.

II. Relationship to Program Objectives

This course is a core requirement in the MCS Masters of Science Degree program. The course will help meet the following stated program objectives:

- A. negotiate with, act as change agent for, and provide technical guidance to user areas
- B. have an opportunity to network with other information systems professionals with similar interests and backgrounds
- C. influence, support, promote, assess and align information systems structures, strategies and behaviors with the organization's policies, strategies, and goals
- D. analyze the relevant issues and employ appropriate strategies, and tactics for managing the efficient and effective delivery of information technologies and related services to the organization.

III. Budgetary Impact

The course will be offered during the first year by existing faculty. In subsequent years the course may be taught by new faculty who are part of the campus reallocation to support the MCS Masters Degree.

IV. Programs Affected in Other Academic Units

There is no negative impact on other academic units.

V. Course Description

IS Strategy & Policy: acquaints students with the issues, procedures, and opportunities associated with the organizational use of information technology and with the management of the IS function. Topics include the role of IS technology in organizations, planning, organization and control of the IS function, IS support for corporate reengineering and strategic initiatives, IS operations management, and the maturity of the IS function. (3 credits)

VI. Requisites

Students must be admitted into the MCS Masters Degree program.

Managing Change & the Corporate Culture	2 weeks
<ul style="list-style-type: none"> • the placement of the Information Technology Department in the organization • assessing the corporate culture & that of the corporation's leadership • working within the corporate culture • changing the corporate culture 	
Corporate Goals	2 weeks
<ul style="list-style-type: none"> • the role of the Information Technology Department in determining corporate goals • Structuring corporate goals 	
Technology Assessment	3 weeks
<ul style="list-style-type: none"> • the technological components - choices to be made • assessment of the current hardware configuration vs. future needs • planning for future needs - How long is the future? • assessment of the current systems development methodology vs. the competition • evaluation criteria for future changes in development methodology 	
Information Technology Department Structure	1 week
<ul style="list-style-type: none"> • centralization vs decentralization of IT • alignment with corporate structure vs. pooled resources • specialization of IT personnel 	
Information Technology Department Goals	1 week
<ul style="list-style-type: none"> • alignment with corporate goals • analytical decomposition of IT goals into potential projects 	
Information Technology Department Planning	2 weeks
<ul style="list-style-type: none"> • matrix analysis of projects and resources with corporate goals • prioritization methodologies 	
Seminar Presentations	2 weeks

Suggested Text: Corporate Information Systems Management: Text and Cases
L. Applegate, F.W. McFarlan, J.L. McKenney. Irwin, 1996. ISBN 0-256-18116-0

Managing the Data Resource Function R.L. Nolan.
West, 1982. ISBN 0-314-63285-9

Corporate Information Systems Management: The Issues Facing Senior Executives, 3rd ed.; Jamies I. Cash, 1992, ISBN: 0256090084

The Evaluation of Management Information Systems : A Dynamic and Holistic Approach; Eric F. Wolstenholme, et al, John Wiley & Sons, 1993, ISBN: 0471930903

Information Systems : Management Practices in Action : A Collection of Management Situations; Robert K. Wysocki, James Young; John Wiley & Sons, 1990; ISBN: 0471503746

Management Challenges in ISS : Successful Strategies and Appropriate Action; James D. McKeen, Heather A. Smith; y James D. McKeen, Heather A. Smith; John Wiley & Sons, 1996; ISBN: 0471965162