COURSE TOPICAL BIBLIOGRAPHY

Management Information Systems is a broad multifaceted discipline. In order to provide some structure for examining the research being conducted within the field, the research has been classified into five broad categories: design, management and organization, hardware and software, evaluation, and other. Twenty topical areas have been identified within these categories. The research in each topical area is considered in S601 and/or S602. The complete topical list is shown below designating which topics are covered in S601 and/or S602.

MIS RESEARCH TOPICS

I. DESIGN

S601 1. Information Requirements Analysis: Definition of user requirements via interviews, observation, prototyping, and documentation of existing system.

S601 2. Application Systems Implementation: All phases of getting a system in place, not just the implementation/conversion phase of the development lifecycle.

S601 3. Structured Design Techniques: Information Algebra, SOP, ADS, ISDOS, TAG, SADT, DFD, WOD, LCS, etc.

S601 4. User-System Interface: Focus on man machine interface, human engineering, e.g. data entry/output, color-graphics, natural language, inquiry, menus of report options, etc.

II. MANAGEMENT & ORGANIZATION

S602 5. Computing Operations Management: DP Management, use of performance monitors, operations personnel, "production" focus.

S602 6. MIS Management: Administration of MIS function, project management.

S601 7. Data Management: Data Base Administration, library functions, etc.

S601/ S602 8. Impact of Computer Technology on Organizations: impact on structure of organizations, on jobs, sociotechnical issues.