

Faculty Senate Curriculum Committee

Approval Form

Proposal Title: Decision Support Systems

Sponsor(s): Diane Hamilton Dept.: School of Business Admin.
Daniel Davis

Check one: Course Specialization Concentration Achievement Certificate
 Certification Program Major Program Minor Change
(please name: deletion or credit/title/catalog change)

Undergraduate Graduate 3 Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>11/14/85</u> <small>Date</small></p> <p><input type="checkbox"/> Not Approved</p> <p><u>[Signature]</u> <small>Dept. CC Chairperson</small></p> <p><input type="checkbox"/> Reviewed _____ <small>Date</small></p> <p><u>[Signature]</u> <small>Chairperson, Dept.</small></p>	<p>Step 2 (Receipt)</p> <p>SCC# <u>85-86-41</u></p> <p>Proposal Received <u>11/15/85</u> <small>Date</small></p> <p><u>Brenda A. Bolay</u> <small>Chairperson, SCC</small></p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>11/14/85</u> <small>Date</small></p> <p><input checked="" type="checkbox"/> Approved</p> <p><input type="checkbox"/> Not Approved</p> <p>Comments:</p> <p><u>[Signature]</u> <small>Chairperson, School Curr. Comm.</small></p>
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Step 4 (Academic Dean) **Comments:**

Reviewed _____
Date

[Signature]
Signature, Dean of School

Step 5 (SCC)

Open Hearing 12/5/85 Approved by Senate Curriculum Committee 1/1/86
Date Date

Returned to sponsor(s) for the following reasons:

Step 6 (Faculty Senate)

Presented to Faculty Senate : _____
Date

Approved Not Approved

Notification to Vice-President Academic Affairs 2/3/86 Brenda A. Bolay
Date Signature, SCC Chairperson

Step 7 (Vice-President for Academic Affairs)

Received 2/13/06
Date

Approved Yes No

If no, reasons are as follows:

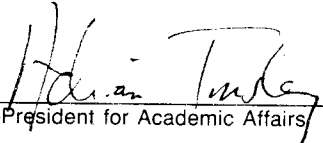
Student credit hours 3

Faculty load hours 3

Equalized credit hours 3

Official copy and approval sheet filed _____
Date

Signature


Vice-President for Academic Affairs

Registrar

Approved course description received _____
Date

Hegis Taxonomy and Course Number assigned _____

Signature _____
Registrar Date

Notification forwarded: Senate Curriculum Committee Chairperson, Department Chairperson(s),
Academic Dean(s), Registrar, Sponsor(s).

TRANSMITTAL 4/18/06

NEW COURSE PROPOSAL

A. COURSE PROPOSAL FORMAT

1. Details

- a. Course Title: Decision Support Systems
- b. Sponsors: Diane Hamilton & Daniel Davis
School of Business Administration
- c. Course level: Junior
- d. Curricular effect: This course will replace Advanced Systems Design as a requirement for all Business Administration students specializing in Management Information Systems
- e. Prerequisites: Principles of Finance (0504.300)
- f. Suggested time and scale of implementation: Along with the other Business Administration curriculum changes, this new course should become part of the MIS specialization starting Fall 1986.
- g. Adequacy of present staff: The present MIS faculty is sufficient to handle this new course.

2. RATIONALE

This course will cover Strategic Information Systems involving fourth generation languages such as Symphony (electronic spreadsheet and graphics), statistical packages (SAS or SPSS), Dbase (database management system), and IFPS (interactive financial planning) in a future time frame for forecasting, what-if scenerios, etc. The systems development life cycle is not measured in man-years, rather it is an iterative process involving manager and developer interaction. The development process can take several approaches i.e. quick hit, systematic development, and the complete DSS approach. Persons involved in building these systems are not only systems analysts/programmers but also the manager/user or information resource

consultant. Different skills are required to build these systems. Due to the proliferation of Decision Support Systems as a separate module within the corporate management information system it is necessary to give it an appropriate place in our curriculum.

3. ESSENCE OF THE COURSE

- a. Objectives of the course in relation to student outcomes:
This course is designed to give the student in the MIS specialization an opportunity to study model building and apply this skill to the popular software packages currently utilized in business.

Students will be able to:

1. create and manipulate electronic spreadsheet models
2. create and exercise computerized database management systems
3. develop financial models for "what-if" analysis
4. apply statistical methodology through popular statistical packages
5. understand the management of an information center
6. gain confidence through their experience in all phases of microcomputer use

- b. Topical Outline/Content:

Introduction to Decision Support Systems

Modeling the Business Environment

Designing a DSS

Building Effective DSS

Information Flow in a DSS (utilizing a typical manufacturing firm)

Computer Business Graphics

The Internal DSS Database

External Databases

The Electronic Spreadsheet

Financial Packages

Investment Packages

DSS Statistical Techniques -- regression and time series analysis

Statistical Analysis Packages

Expert Information Systems

- c. Evaluation and grading of students: Students will be required to research, make class presentations and build several DSS systems. Grading will be based upon performance in these three areas as well as in the regularly scheduled examinations.
- d. Course evaluation: traditional student evaluations will be obtained to assess the value of the course.

4. RESULTS OF CONSULTATION

- a. Consultations have been requested of the three Business Administration Chairpersons. No written response was received, however, all verbal comments have been incorporated into this proposal, and the proposal has been approved by a vote of the faculty in the School of Business.

CATALOG DESCRIPTION

0702.335

Decision Support Systems

(Prerequisite: 0504.300)

Students study principles and techniques of building business models using decision support systems. Each student is assigned a number of case assignments using 4th generation languages. This course demonstrates the importance of "what-if" scenarios in the business environment. 4th generation languages include electronic spreadsheets, statistical packages, financial planning systems, and database management systems.