APPLICATION FOR NEW COURSE

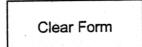1. Submitted by College of ___Gatton College of Business & Econom___ Date ___Oct. 4, 2002___

   Department/Division offering course ___School of Management, DSIS Area___

2. Proposed designation and Bulletin description of this course

   a. Prefix and Number ___DIS 310___   b. Title* ___Business Computing Systems___
      *NOTE: If the title is longer than 24 characters (including spaces), write
      A sensible title (not exceeding 24 characters) for use on transcripts _____

   c. Lecture/Discussion hours per week ___3___   d. Laboratory hours per week _____

   e. Studio hours per week _____   f. Credits

   g. Course description

   ___The course provides an understanding of how systems can be utilized___

   ___to improve computer-based organizational productivity & effectiveness___

   h. Prerequisites (if any)

   ___CS 101; Open only to Business Minors. Not available for credit for___

   ___Business & Economics majors.___

   i. May be repeated to a maximum of ___N/A___ _____ (if applicable)

4. To be cross-listed as

Prefix and Number	Signature, Chairman, cross-listing department

5. Effective Date ___Fall 2003___ _____ (semester and year)

6. Course to be offered   ☑ Fall   ☐ Spring   ☐ Summer

7. Will the course be offered each year?   ☑ Yes   ☐ No
   (Explain if not annually)

   _____

   _____

8. Why is this course needed?

   ___See attached page___

   _____

9. a. By whom will the course be taught? ___DSIS Area, School of Management___

   b. Are facilities for teaching the course now available?   ☑ Yes   ☐ No
      If not, what plans have been made for providing them?

   ___Yes___

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10. What enrollment may be reasonably anticipated? **145 per year**

11. Will this course serve students in the Department primarily? ☐ Yes ☑ No

   Will it be of service to a significant number of students outside the Department? ☑ Yes ☐ No
   If so, explain.

   Business Minors

   Will the course serve as a University Studies Program course? ☐ Yes ☑ No

   If yes, under what Area? _____

12. Check the category most applicable to this course

   ☐ traditional; offered in corresponding departments elsewhere;

   ☑ relatively new, now being widely established

   ☐ not yet to be found in many (or any) other universities

13. Is this course applicable to the requirements for at least one degree or certificate at the
   University of Kentucky? ☑ Yes ☐ No

14. Is this course part of a proposed new program: ☐ Yes ☑ No
   If yes, which?

15. Will adding this course change the degree requirements in one or more programs?* ☑ Yes ☐ No
   If yes, explain the change(s) below

   Business Minors can take this course (DIS 310) or DIS 300 to satisfy

   their requirements in DSIS. 320 will no longer be available to bus.minor

16. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

17. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has
   been consulted.

18. Within the Department, who should be contacted for further information about the proposed course?

   Name **Radhika Santhanam**   Phone Extension **7-4397**

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.

| Print Form | Clear Form |

APPLICATION FOR NEW COURSE

Signatures of Approval:

Donald J. Mullineaux   _10/14/02_
Department Chair   Date

Michael H. Tee   _12-23-02_
Dean of the College   Date

UNDERGRADUATE COUNCIL

_12-13-02_
Date of Notice to the Faculty

_____   FEB 5 2003
*Undergraduate Council   Date

_____   _____
*University Studies   Date

_____   _____
*Graduate Council   Date

_____   _____
*Academic Council for the Medical Center   Date

_____   _____
*Senate Council (Chair)   Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

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ACTION OTHER THAN APPROVAL

Rev 8/02

Proposed Course Outline and Objectives

Business Computing Systems (BCS) are an integral part of how organizations conduct their operations, deliver their products, and compete in the global marketplace. It is very difficult for even a small business to operate without significant investments in technology and computing systems. Consequently, it is not only the technical specialist who needs to be informed about the design, development and use of BCS. Every professional needs to have a fair degree of "Business Computing Literacy" by becoming aware of fundamental concepts relating to the use of these systems in organizations. This course will be designed to provide this knowledge. It is therefore oriented towards the general student and not the business specialist.

The objective of this course is to help students who are not business majors understand clearly how BCS can be utilized to promote organizational productivity and effectiveness. The course provides some fundamental knowledge about various aspects of technology, such as hardware, software, and the Internet. It will explain how organizations develop and deploy a variety of computing systems such as management information systems, decision support systems, executive support systems, and group support systems. Using several real-world case studies, the course illustrates how organizations can utilize these BCS to achieve their business strategies and compete against their industry rivals. The course provides knowledge on how the Internet can be utilized to support e-commerce and business-to-business transactions. After completion of the course, students will have accomplished the following:

1. Understand some fundamental principles on how to deploy BCS to achieve organizational goals, be it a small business or a large corporation. For example, students will learn how database technology can be utilized to keep track of customer transactions, understand the pattern of customer purchases, and reward frequent customers. Similarly, they will learn how BCS can be utilized to control operational costs of an organization to enable them to stay competitive.

2. Will understand that organizations may use a variety of BCS, namely, management information systems, decision support systems and executive information systems to improve managerial decision-making and organizational productivity.

3. Gain a basic knowledge of the components of a computer namely, what comprises the hardware and software. They will understand the role of operating system software, application software and programming languages.

4. Gain a basic knowledge of networks and how computer signals are transmitted from one computer to another. They will learn some fundamental concepts of the speed and bandwidth of computer networks and understand how these networks can connect various organizational units and make it more efficient.

5. Understand that the Internet is a vast interconnection of networks and functions with the help of universally accepted protocols. Students will learn that the Internet facilitates e-commerce activities and reaches a large number of customers. They will learn a few principles on how to design an effective organizational web-site.

6. Be aware of the potential limitations and impact of business computing systems. Students will be exposed to security and ethical issues that must be considered when using BCS, particularly in the context of databases and networks.

7. Develop an understanding on how BCS are developed in organizations and what are some of the people, technical and organizational issues that must be managed and controlled in this process.

Proposed Textbook

Management Information Systems, By Effy OZ, published by Course Technology, Cambridge Massachusetts. ISBN 0-7600-4946-7.

Proposed Course Outline

Introduction to Business Computing Systems.

Business Strategies.

Strategic Uses of Business Computing Systems.

Planning and Deploying a Strategic Computing System.

Computer Technology in Business – Hardware and Software.

Computer Technology in Business – Telecommunications and Networks.

The Internet and E-Commerce.

Database and Data Management.

Types of Business Computing Systems in Business – Management Information Systems,

Decision Support Systems and Executive Information Systems.

Inter-organizational and International BCS

Planning, Developing and Implementing a Business Computing System.

Alternative Avenues for Acquiring Computing Systems.

Control and Security Issues in Computing Systems.

Management of Computing Systems – Human, Ethical and Legal Issues.

8. This course is specifically designed for students who are Business Minors having a variety of backgrounds. Instead of focusing on design & development (technical) issues, it focuses on management issues relating to business computing systems.

Approval of the course DIS310 will require a change in the college bulletin as follows:

Page 111 - MINOR REQUIREMENTS
DIS320 Management Information Systems has to now read
DIS310 Business Computing Systems