
Central Michigan University
College of Business Administration

MASTER COURSE SYLLABUS

<u>BIS</u>	<u>321</u>	<u>Computers in Business II</u>	<u>3(3-0) F, Sp</u>
Design.	No.	Title	Credit (Mode)

I. Bulletin Description:

The advanced study of business computer information systems, including transaction processing, management information systems, and systems design and analysis.

II. Prerequisites

BIS 221 or equivalent, or permission of department chair; 56 semester hours completed and admission to Professional Business Studies or listed on a signed major or minor or with approval from the Office of Undergraduate Business Studies.

III. Rationale for Course Level:

IV. Textbooks and Other Material To Be Furnished by the Student:

O'Brien, James A., *Management Information Systems: Managing Information Technology in the E-Business Enterprise*, 5th Ed., McGraw-Hill, 2002.

V. Special Requirements of the Course:

Familiarity with database, spreadsheet, and basic problem-solving concepts.

VI. General Methodology in Conducting the Course:

The course will be conducted as a combination of lecture, lab assignments, and large scale practical exercises. Students will be requested to acquire the material through lecture and grading incentives. New material will be presented through lecture and reading assignments. These skills will be mastered using lab assignments in the computer center. Finally, generalization of global concepts will be attained during completion of the two major real-world projects.

VII. Course Objectives:

Upon completion of this course, students will be able to:

- 1) Describe how corporations can use information systems to revitalize business operations, improve managerial decision-making, and gain competitive advantage.
- 2) Identify, explain, and apply MIS concepts to solving MIS cases.
- 3) Utilize a given set of basic data for a business scenario and expand it to include analyses, presentation, and communication of solutions.
- 4) Identify examples of effective use of the internet for electronic commerce.
- 5) Differentiate among and give examples of the use of internets, intranets, and extranets in the business world.
- 6) Describe the role of ERP in global business enterprises and how SAP enterprise software assists in that role.
- 7) Describe the role of Data Warehousing and information delivery in global business enterprises
- 8) Identify problems, issues and trends in the information systems world.
- 9) Research and report on current MIS literature using a variety of search tools.
- 10) Present results of mini-research projects.

VIII. Course Outline:

Week Topic

- 1 Course Overview
- 2 IT Business Drivers
- 3 Categorization of IT Applications: TPS, PCS, MIS, etc.
- 4 Cross-Functional Applications: ERP, CRM, EAI
- 5 SAP
- 6 Data Management
- 7 Data Warehousing
- 8 Information Delivery
- 9 Systems Development Lifecycle
- 10 Software
- 11 Hardware
- 12 Ethical issues in Business IT
- 13 Network
- 14 Managing and IT Organization
- 15 Student Presentations
- 16 **Final exam**

IX.	Evaluation:	
	Quizzes	25%
	Chapter questions, SAP assignment, discussion	20%
	Team Chapter Presentations	15%
	AITP presentation	5%
	Special Topic Research Paper/Presentation	20%
	Final Examination	<u>15%</u>
	Total	100%

X. Bibliography:

O'Brien, James A., *Management Information Systems: Managing Information Technology in the E- Business Enterprise*, 5th Ed. , McGraw-Hill, 2002.

O'Brien, James A. with *Management Information Systems Powerweb*, 6th Ed, McGraw-Hill, 2004

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<u>March 20, 2003</u>	<u>March 20, 2003</u>
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