

**BOROUGH OF MANHATTAN COMMUNITY COLLEGE**  
City University of New York

**Department of Computer Information Systems**

**Introduction to Information Systems**  
**CIS 200**  
**Spring 2008**  
**Credits: 3**

**Class hours: 2**  
**Lab hours: 2**

**Course Description:**

This course introduces the students to the use of information systems in business. The dramatic changes in Information Technology [IT] impacts the ways in which companies operate and compete in local and global economies. Students will explore the global and ethical issues that have developed with the use of information systems. Working individually and in teams, the students will complete case studies on the following topics: Management Information Systems [MIS], systems analysis and design, hardware and software concerns, and telecommunications.

[This course is based on Baruch College's CIS 2200 course.]

**Prerequisites/Co-requisites:** ACR 094, ENG 088, MAT 010/011; ESL 062; Any ACC or any BUS course; Students must also pass the qualifying Computer Competency examination.

**Student Learning Outcomes:**

Under successful completing this course, students will be able to:

- Describe the role of information systems and their uses in business.
- Identify business problems that may benefit from information systems.
- Apply information technologies to solve business problems
- Explore social and ethical issues related to the use of information systems.
- Complete case studies using spreadsheets and database management software.
- Present their solutions using presentation software.

**Required Text & Readings:**

Textbook:       **Management Information Systems for the Information Age, 7<sup>th</sup> Edition**  
Author:         **Stephen Haag, Maeve Cummings, Amy Philips**  
Publisher:       **McGraw Hill**  
ISBN:           **9780077240592**

**Other Resources:** Diskettes or Flash drives (recommended).

**Evaluation & Requirements of Students**

Midterm exam or Project	35%
Final or Project	45%
Homework	10%
Instructor Evaluation	10%

**Outline of Topics:**

- Computer Hardware and Software
- Databases and Data Warehouses
- Designing Databases and Entity-Relationship Diagramming
- Decision Analysis with Spreadsheet Software
- Electronic Commerce
- Network Basics
- Object Oriented Technologies
- Protecting People and Information
- Computer Crime and Forensics

Weekly Schedule

Week	Topics	Readings *
Week 1	Course Overview The Information Age In Which You Live	Chapter 1
Week 2	XLM: Computer Hardware and Software Major Business Initiatives Case Study: Is ERP the answer for a Company that hasn't made a profit in six years?	XLM / A Chapter 2 Case pp 84-85
Week 3	XLM: The World Wide Web and the Internet The Relational Database Model	XLM / B Chapter 3
Week 4	Querying Databases; Data Mining XLM: Designing Database and Entity-Relationship Diagramming	Chapter 3 XLM / C
Week 5	Decision Support Systems XLM: Decision Analysis with Spreadsheet Software	Chapter 4 XLM / D
Week 6	AI: Expert Systems, Neural Networks, Intelligent Agents Case Study: Closing The Great Health Care Divide With Pattern Recognition And Data-Mining Technologies	Chapter 4 Case pp 184-185
Week 7	Electronic Commerce Case Study: E-Business Trend: Far-East E-Commerce Explosion	Chapter 5 Case pp 237-238
Week 8	XLM: Implementing a Database with Microsoft Access	XLM / J
Week 9	Systems Development Case Study: Should an Organization Outsource Security	Chapter 6 Case pp 303-304
Week 10	XLM: Network Basics Enterprise Infrastructure, Metrics, And Business Continuity Planning	XLM / E Chapter 7
Week 11	Case Study: International Truck Makes A Hugh Bet On A Service-Oriented Architecture Protecting People and Information	Case pp 332-333  Chapter 8
Week 12	Case Study: The Problem of Information Protection XLM: Computer Crime and Digital Forensics	Case pp 364-365 XLM / H
Week 13	Emerging Trends and Technologies Case Study: Tracking Your Children	Chapter 9 Case pp 425-426
Week 14	Course Review	
	Final Exam	

\* Refers to chapters, case, or XML (extended Learning Modules) in the Haag textbook

**College Attendance Policy**

At BMCC, the maximum number of absences is limited to one more hour than the number of hours a class meets in one week. For example, you may be enrolled in a three-hour class. In that class, you would be allowed 4 hours of absence (not 4 days). In the case of excessive absences, the instructor has the option to lower the grade or assign an F or WU grade.

**Academic Adjustments for Students with Disabilities**

Students with disabilities who require reasonable accommodations or academic adjustments for this course must contact the Office of Services for Students with Disabilities. BMCC is committed to providing equal access to all programs and curricula to all students.

**BMCC Policy on Plagiarism and Academic Integrity Statement**

Plagiarism is the presentation of someone else's ideas, words or artistic, scientific, or technical work as one's own creation. Using the idea or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations, require citations to the original source. Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism.

Students who are unsure how and when to provide documentation are advised to consult with their instructors. The library has guides designed to help students to appropriately identify a cited work. The full policy can be found on BMCC's website, [www.bmcc.cuny.edu](http://www.bmcc.cuny.edu). For further information on integrity and behavior, please consult the college bulletin (also available online).