Introduction to Information Systems
CIS 200
Spring 2008
Credits: 3

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, 7th 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

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings *</th>
</tr>
</thead>
</table>
| 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).