**INFORMATION SYSTEMS COURSE OUTLINE**

**CENTRAL UNIVERSITY**

1. Introduction to Information Systems
2. Data management in a computer (PDF)
3. Data Management (Part 2)
4. MIS Frameworks
   * Operational/Tactical/Executive Information Systems
   * Operational vs Tactical vs Strategic Report Examples
5. MIS Frameworks
   * Functional Area Systems: Introduction
   * Functional Area Systems: Accounting Transaction
   * Functional Area Systems: Accounting Information
   * Computerized Accounting Systems - GL
   * Transaction Processing Systems
6. MIS Frameworks
   * Functional Areas Systems: Finance
   * Functional Area Systems: Human Resources
   * Functional Area Systems: Marketing and Sales
   * Functional Area Systems: Production/ Operations
7. Enterprise Information Systems (SCM/CRM/ERP)
8. Role of ERP Software in an Organization (PDF)
9. Porter's Value Chain(PDF)
10. Benefits of ERP
    * + 1. **Midterm Exam Midterm**
11. Systems that Span Organizational Boundaries
    * Office Automation Systems
    * Geographic Information Systems
    * Collaborative Information Systems
    * Decision Support Systems
12. Expert Systems & Knowledge Management Systems
13. Computer Systems (Hardware/Software)
14. Telecommunications & The Internet
15. eBusiness/eCommerce Systems
    * Network Computing Spectrum (Intranet/ Extranet)
    * eBusiness/ eCommerce Systems (B2C, B2B, B2E, C2C)
    * Web 2.0/ M-Commerce
    * Establishing an eCommerce Website
    * General eBusiness Security
16. The Development of Information Systems
    * Systems Development Life Cycle
    * Alternatives to Developing Information Systems
    * Alternatives to Systems Development
17. Audit and Controls of Information Systems
    * Internal Controls and Areas of Risk
    * The Information Systems Function in an Organization
18. Social Impact of Information Systems
    * Personal and Social Impact of Information Systems
    * Applied Computer Science