STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK

MASTER SYLLABUS

CITA/MINS 300 – MANAGEMENT INFORMATION SYSTEMS

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Canino School of Engineering Technology
Department of Decision & Graphic Media Systems
Fall/2018

A.   TITLE: Management Information Systems

B. %   COURSE NUMBER: CITA/MINS 300

C. %   CREDIT HOURS: (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

   # Credit Hours: 3
 # Lecture Hours: 3 per week
 # Lab Hours: per week
          Other: per week

   Course Length: 15 Weeks

D.   WRITING INTENSIVE COURSE: No

E.   GER CATEGORY: No

F.   SEMESTER(S) OFFERED: Fall & Spring

G.   COURSE DESCRIPTION:
        Students learn the concepts underlying the design, implementation, control, evaluation,
        and strategic use of modem, computer-based information systems for business data
        processing, office automation, information reporting, decision-making, and electronic
        commerce. The major emphasis of the course will be on the managerial and strategic
        aspects of information technology.

H. %   PRE-REQUISITES/CO-REQUISITES:

        a. Pre-requisite(s): Introduction to Business and 45 semester hours completed
        b. Co-requisite(s): None

I. %   STUDENT LEARNING OUTCOMES:

Course Student Learning Outcome [SLO]	*PSLO*	*GER*	*ISLO*
a. Illustrate how information systems can give businesses a competitive advantage	2. Identify issues and collaborate on solutions concerning IT in an effective and professional manner		2 [CA]
b. Analyze how information technology supports management supply chains	2. Identify issues and collaborate on solutions concerning IT in an effective and professional manner		2 [CA]
c. Categorize computers into major categories and identify their strengths and weaknesses	2. Identify issues and collaborate on solutions concerning IT in an effective and professional manner		2 [CA]

	5. Explain the role of management as it applies to business practices in IT		2 [CA]
d. Describe the ways in which computers are and will be used in business and management.			
e. Identify and suggest appropriate responses to managerial and organizational issues stemming from development, implementation, and use of computer-based information systems.	3. Demonstrate a solid understanding of the methodologies and foundations of IT 4. Apply problem solving and troubleshooting skills		1 [O, W] 2 [IA, PS] 5
f. Evaluate the major social and ethical issues on the development and use of information technology.	6. Describe the societal impact of IT, including professional, ethical and social responsibilities		4 [ER, GL, IK]

KEY	Institutional Student Learning Outcomes [ISLO 1 – 5]
ISLO #	ISLO & Subsets
1	**Communication Skills** Oral [O], Written [W]
2	**Critical Thinking** *Critical Analysis [CA] , Inquiry & Analysis [IA] , Problem Solving [PS]*
3	**Foundational Skills** *Information Management [IM], Quantitative Lit,/Reasoning [QTR]*
4	**Social Responsibility** *Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]*
5	**Industry, Professional, Discipline Specific Knowledge and Skills**

J.   APPLIED LEARNING COMPONENT: Yes_____   No___X____

K.   TEXTS:
Laudon, Kenneth C. & Laudon Jane P.(2015) Management Information Systems: Managing the digital firm. 14th edition. Prentice Hall

L.   REFERENCES: None

M.   EQUIPMENT: Technology enhanced classroom

N.   GRADING METHOD: A-F

O.   SUGGESTED MEASUREMENT CRITERIA/METHODS:
Assignments

Midterm
Final Exam

P.   DETAILED COURSE OUTLINE:
I. The Information Age

A. Overview of Business Information Systems
    1. Purpose
    2. Data v. Information
    3. Types of Information Systems
    4. Uses of Information Systems
    5. Careers In Information Systems
B. Information Systems Strategy
    l. Competitive Advantage '
    2. Creating and Maintaining Management Information Systems
C. Business Functions and Information Systems
    1. Finance
    2. Supply Chain Management
    3. Customer Relationship Management
    4. Human Resource Management

II. Information Technology

A. Hardware
    l. Classification
    2. Input Devices
    3. Output Devices
    4. Storage Media
B. Software
    1. Programming Languages and Developing Tools
    2. Application Software
    3. System Software
    4. Open Source Software
C. Databases and Data Warehouses
    l. Database Models
    2. Relational Operations

III. Web Enabled Commerce
A. Web Enabled Enterprise
    1. Web Businesses
    2. Web Technologies
    3. Web Sites
B. Global Information Systems
    l. International Commerce
    2. Challenges

IV. Decision Support Systems and Intelligence
A. Decision Support Systems
    1. Decision Processes
    2. Structured and Unstructured Problems
    3. Expert Systems
    4. Geographic Information Systems
B. Business Intelligence
    1. Data Mining
    2. Knowledge Management

V. Planning, Acquisition and Controls
A. Planning

1. Planning Information Systems
2. Systems Development Cycle
3. Systems Integration
B. System Acquisition
1. Options
2. Outsourcing
3. Licensing
C. System Risk and System Security
1. Risks to Information Systems
2. Risks to Online Operations
3. Security Measures
4. Recovery Measures

Q. **LABORATORY OUTLINE:** Not Applicable