COMS-101: COMPUTER INFORMATION SYSTEMS

Effective Term
Fall 2025

SECTION A - Course Data Elements

CB04 Credit Status
Credit - Degree Applicable

Discipline

Minimum Qualifications	And/Or
Computer Information Systems (Any Degree and Professional Experience)	Or
Computer Science (Master's Degree)	

Subject Code
COMS - Computer Studies
Course Number
101

Department
Computer Studies (COMS)

Division
Science and Engineering (SE)

Full Course Title
Computer Information Systems

Short Title
Computer Information Systems

CB03 TOP Code
0702.00 - *Computer Information Systems

CB08 Basic Skills Status
NBS - Not Basic Skills

CB09 SAM Code
C - Clearly Occupational

Rationale
Textbook update.

SECTION B - Course Description

Catalog Course Description
Examination of information systems and their role in business. Focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods through hands-on projects developing computer-based solutions to business problems. A strong focus on terminology as it relates to Computer Information Systems.

SECTION C - Conditions on Enrollment

Open Entry/Open Exit
No

Repeatability
Not Repeatable

Grading Options
Letter Grade or Pass/No Pass

Allow Audit
Yes

Requisites

SECTION D - Course Standards

Is this course variable unit?
No

Units
3.00

Lecture Hours
54.00

Outside of Class Hours
108

Total Contact Hours
54

Total Student Hours
162

Distance Education Approval

Is this course offered through Distance Education?
Yes

Online Delivery Methods

DE Modalities	Permanent or Emergency Only?
Entirely Online	Permanent
Hybrid	Permanent
Online with Proctored Exams	Permanent

SECTION E - Course Content

Student Learning Outcomes

	Upon satisfactory completion of the course, students will be able to:
1.	Understand computer functions and be able to demonstrate knowledge of computer applications.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1.	Describe existing and emerging technologies and their impact on organizations and society.
2.	Demonstrate an understanding of the development and use of information systems in business.
3.	Solve common business problems using appropriate Information Technology applications and systems.

Course Content
1. Information systems concepts.
2. Communication and network concepts, systems, and applications.
3. Internet usage; e-business systems.
4. System infrastructure concepts.
5. System and Application software programs and concepts.
6. Information systems security, crime, and ethics.
7. Types of information systems and their roles in business.

8. Systems development life cycle.
9. Organization and management of structured and unstructured data using spreadsheets and database tools.
10. Practical exercises in electronic spreadsheet development.
11. Practical exercises in using database software.
12. Practical exercises in Internet technologies.

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Lecture	Lecture on digital security, ethics and privacy.
Discussion	Discuss how to identify phishing attempts.

Instructor-Initiated Online Contact Types

Announcements/Bulletin Boards
Chat Rooms
Discussion Boards
E-mail Communication
Video or Teleconferencing

Student-Initiated Online Contact Types

Chat Rooms
Discussions
Group Work

Course design is accessible

Yes

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
Exams/Tests	Midterm, Final.
Quizzes	Quiz on types of information systems and their roles in business.
Simulation	Hands on use of Spreadsheet, Presentation, Browser Software.
Homework	Answer questions on use and types of database software.

Assignments

Reading Assignments

Assigned readings from the textbook.

For example:

1. Read Chapter 1, Introduction to Computers. Be ready to discuss the content.

2. Read Chapter 2, The Internet and the World Wide Web, and be ready to discuss.

Writing Assignments

Completion of case studies and web research and computer exercises.

For example:

1. What is an information system? Write a 1-page essay.

2. Research computer security and submit a summary of your findings.

Other Assignments

Demonstrate basic knowledge of word processing, spreadsheets, databases, presentation, and browser software.

SECTION F - Textbooks and Instructional Materials

Material Type

Textbook

Author
Evans, M

Title
Technology In Action Complete

Edition/Version
18th

Publisher
Pearson

Year
2024

ISBN #
9780138043346

Course Codes (Admin Only)

ASSIST Update
No

CB00 State ID
CCC000548476

CB10 Cooperative Work Experience Status
N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status
Y - Credit Course

CB13 Special Class Status
N - The Course is Not an Approved Special Class

CB23 Funding Agency Category
Y - Not Applicable (Funding Not Used)

CB24 Program Course Status
Program Applicable

Allow Pass/No Pass
Yes

Only Pass/No Pass
No