CIT 130. PRINCIPLES OF INFORMATION SYSTEMS.
Credit Hours: 3
Scheduled hours per week
Lecture: 3
Lab: 0
Other: 0

Catalog Course Description: An introduction to basic computer information systems principles and terminology, offering a broad survey of the discipline and illustration of the importance of determining information system requirements. It will examine the importance of information systems in networked and global business. Topics will include hardware and software selection criteria, scheduling, conversion planning, legal and ethical issues, and security.

Pre-requisites: N/A

Co-requisites: N/A

Course Learning Outcomes:
- Describe and discuss the meaning of terms, common techniques, and concepts in business information systems
- Describe and discuss computer software such as communication systems and database software applications
- Identify and rank appropriate responses to managerial and organizational issues stemming from development, implementation, and use of computer-based information systems
- Comprehend and overcome challenges in implementation of international information systems, including economic and cultural differences

Topics to be studied:
- Foundations of Information Systems
- Strategic IT
- Managing Information Systems Resources
- Telecommunications and Networks
- Introduction to e-Business Systems
- Electronic Commerce Systems
- Decision Support Systems
- Security and Ethical Challenges
- Global Management of Information Technology
- Computer Systems
- Application Software

Relationship of Course to Program or Discipline Learning Outcomes:

	Identify and describe layers of the OSI and TCP/IP models, and use them effectively in troubleshooting
	Describe and apply LAN and WAN technologies in wired and wireless environments
	Demonstrate ability to apply workstation and server installation, configuration, management and troubleshooting techniques
	Demonstrate ability to install, configure, manage, and maintain routing and switching technologies

	Describe and discuss different operating systems and their relationship with hardware, their functions, advantages and disadvantages, and their respective tools and software packages
X	Explain Information Systems and choose appropriate systems based on requirements
X	Describe basic information security and computer ethics

Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	X
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	X
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Special requirements of the course:

Case study projects related to the course competencies.

Additional information:

N/A

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