

PRINCIPLES OF INFORMATION SYSTEMS DESCRIPTOR

General 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.

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

Course Objectives: *At the conclusion of this course, the student should 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.

Methods of Evaluation:

Evaluation will include hands-on projects and a combination of examinations, presentations, discussions, or problem-solving assignments.

Sample Textbooks, Manuals, or Other Support Materials:

New Perspectives on Computer Concepts – Current Edition: Boston, Mass. Cengage Learning.

Introduction to Information Systems, Supporting and Transforming Business, current edition, Wiley.

Discovering Computers Complete -Current Edition: Boston, MASS. Cengage Learning