

Course Title and Code	IT 251 Information System Fundamentals
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I. Course Identification and General Information:

Course Title	Information Technology Fundamentals	Course Code	IT 251	Pre-requisite	-
Department	Information Technology	Course Level	2	Credit Hours	3(3+0)

II. Course Description/Topics: The following course topics will be covered.

An introduction to Information Systems, Philosophy and concepts of IT Field, IT Courses Interrelations, Survey of Information System Technology, IS software and Hardware, Strategic Role for Information System, Data Resource Management, Data Concepts, Types of Databases. E-business systems, E-commerce, Decision Support Systems, Security and ethical challenges.

III. Course Outcomes: Summary of the main learning outcomes for students enrolled in the course.

- When asked, in writing, students will be able to describe the philosophy of IT.
- When asked, in writing, students will be able to describe an application of an appropriate knowledge of the Information System to understand and to review the need of organization to examine Information System planning and spending in organization with their ability.
- When asked, in writing, students will be able to explain the advantages of Information Technology & Information System using in organization.
- When asked, in writing, students will be able to recognize the major technologies and application of Information System in Organization.
- When asked, in writing, students will be able to describe the basic fundamental structure and knowledge of hardware /software and networking.
- When asked, in writing, students will be able to select and evaluate different methodologies of Information System for product and services.
- When asked, in writing, students will be able to define the fundamentals of e-commerce.
- When asked, in writing, students will be able to understand different issues and ethics related to use IT.

IV. Required Text:

- Information System Fundamentals by O' brain, James A, published by McGraw-Hill/Irwin 2012.

V. References:

- Enterprise Information System by O'brien, 16th edition published by McGraw-hill Irwin ,2010