ISYS 263 – Introduction to Information Systems
Undergraduate Curriculum Committee Course Outline
COURSE OUTLINE

I. COURSE NUMBER AND TITLE: ISYS 263 - Introduction to Information Systems (3 units)

II. COURSE DESCRIPTION: Prerequisite: DS 110 or equivalent. Introduction to the application of information systems (IS) in a business environment. Topics include information technology (IT), networks and internetworks, types of information systems and their development, problem-solving using end-user tools, social impact of IT.

III. EFFECTIVE DATE: Fall 2002

IV. COURSE OBJECTIVES: The student should be able to:

A. explain information technology concepts
B. explain information systems concepts and describe the use of information systems in an organizational context
C. identify the stages in the development of an information system and describe the roles played by users and IT professionals in the process
D. utilize standard IT-based problem-solving tools for common business applications
E. understand the relevance and application of IT in society and identify the major ethical issues related to the use of IT

V. COURSE CONTENT:

A. (3 weeks) Information technology infrastructure: hardware and software; network and internetwork technology
B. (3 weeks) Information system concepts and use: the structure of information systems; types of information systems; the role of information systems in organizations.
C. (1 week) Development of information systems: the system development life cycle; the role of users and IT professionals in the development of information systems
D. (4 weeks) Problem-solving tools for business: IT-based solution development and implementation for business decision making
E. (1 week) Social and ethical issues of information systems: the role of information technology in society; ethical issues related to the use of information systems in organizations

VI. PREREQUISITE KNOWLEDGE: An understanding of fundamental mathematical principles in the solution of business problems

VII. TEACHING METHODS AND MATERIALS:

Methods: Lecture, class discussion, IT-based problem-solving projects, homework assignments.

Materials: Textbooks from major publishers or open sources approved by the department. For example: Computing Essentials and Microsoft Office 2016 Excel by McGraw Hill

VIII. GRADING: Quizzes, examinations, problem-solving projects, homework assignments.
Learning Goals Addressed:

ISYS 263 addresses three learning goals- I.a, III. a and V.a.

I. Students have basic competencies in business related disciplines.
   a. Students will demonstrate the discipline-based knowledge in information systems.

III. Students demonstrate the ability to analyze business situations.
    a. Students will solve business problems using appropriate quantitative and analytical techniques and technologies;

V. Students understand the ethical issues related to the operation of business including sustainability.
   a. Students will identify key concepts in business ethics.