



LAM FAMILY
COLLEGE *of* BUSINESS
SAN FRANCISCO STATE UNIVERSITY

San Francisco State University
Lam Family College of Business
Undergraduate Curriculum Committee

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.