

Northern Marianas College
CURRICULUM ACTION REQUEST

Effective Semester / Session: Fall 2020

Type of Action:

- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation

Course Alpha and Number: CS 300

Course Title: Information Technology Management

Reason for initiating, revising, or canceling:

This course guide has been updated to reflect the change in the textbook.

Wilhelm Maui

Wilhelm Maui 05/27/20

Proposer Date

Jr
Velma C. Deleon Guerrero 05/28/20

Director, School of Business Date

Adam Walsh
Adam Walsh 05/28/20

Language & Format Review Specialist Date

Ajani Burrell
Ajani Burrell 05/28/20

Academic Council Chair Date

Charlotte R. Cepeda
Charlotte R. Cepeda

Dean, Learning and Student Success Date

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Course Guide

Course: CS 300 – Information Technology Management

1. Department

School of Business

2. Purpose

Information technology is essential to all aspects of business and life. Individual business departments, corporations, or multi-national enterprises need professionals to relate the problem-solving abilities of a computer information technology. This course, CS 300- Information Technology Management, provides you with a broad understanding of core business functions, competency in computer programming, knowledge of information technology infrastructure, and a sound foundation in systems analysis and design.

3. Description

A. Required/Recommended Textbook(s) and Related Materials

Required:

Stair R. & Reynolds G. (2018). *Principles of Information Systems*, 13th ed. Boston: Cengage.

Readability level: 13

B. Contact Hours

1. **Lecture:** 3 hours per week / 45 hours per semester
2. **Lab:** None
3. **Other:** None

C. Credits

1. **Number:** 3
2. **Type:** Regular degree credits

D. Catalogue Course Description

This course introduces students to information technology functions necessary to analyze business problems and identify and define the information technology requirements appropriate to their solutions, with a focus on how to design, implement, and evaluate a computer-based information system, process, component, or program to meet desired needs. Provides an integrating experience that enables a student to demonstrate the capacity to synthesize and apply knowledge from an organizational perspective. Included are the uses of information technology to grow, expand, and efficiently and profitably manage an organization. Prerequisite: must complete 60 credit hours to maintain

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junior level. English Placement Level: EN 202. Math Placement Level: MA 161. (Offered: Fall).

E. Degree or Certificate Requirements Met by Course

A “C” grade or better in this course satisfies a core course requirement in Northern Marianas College Bachelor of Science in Business Management.

F. Course Activities and Design

This course is designed to utilize learning activities that engage students in active learning. The course should provide meaningful and authentic learning experiences that help students apply course concepts and achieve course objectives and outcomes. The main class activities are lectures, case studies, reflective journals and articles, research reports, authentic group projects, tests/quizzes and bulletin board or chat discussions.

4. Course Prerequisite(s); Concurrent Course Enrollment; Required English/Mathematics Placement Level(s)

Prerequisites: Must complete 60 credit hours to maintain junior level
English Placement Level: EN 202
Math Placement: MA 161

5. Estimated Cost of Course; Instructional Resources Needed

Cost to the College: Instructor’s salary.

Cost to the Student: Tuition for a 3-credit course, Course/Lab Fees, and the cost of the textbook.

Instructional resources needed for this course include instructional computer lab, multi-media system, whiteboard, dry-erase markers, and appropriate reference materials.

6. Method of Evaluation

Student learning will be evaluated based on homework, tests, quizzes, and a group project.

NMC's grading and attendance policies will be followed.

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7. Course Outline

This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.

- 1.0 Role of Information technology in business;
- 2.0 IT Infrastructure – HW, SW, & NW;
- 3.0 Building and managing information systems and technologies;
- 4.0 E-commerce and E-business technologies;
- 5.0 Advanced Web technologies;
- 6.0 Business Intelligence and Database;
- 7.0 Enterprise Information Systems (ERP, SCM and CRM);
- 8.0 Managing Information technologies; and
- 9.0 Software security.

8. Instructional Goals

This course will introduce students to:

- 1.0 Recognize the relationships between Information technology and business functions;
- 2.0 Impart an understanding of technical infra-structure and major IT components; and
- 3.0 Impart an understating of professional, ethical, legal, security and social issues and responsibilities in information technology.

9. Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1.0 Discuss the roles played by information technology in today's businesses and define various technology architectures on which information systems are built;

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- 2.0 Define and analyze typical functional information systems and identify how they meet the needs of the firm to deliver efficiency and competitive advantages;
- 3.0 Identify the basic steps in systems development;
- 4.0 Define the relationships between the non-IT manager and the IT functions and identify the role of the non-IT manager in areas such as IT strategic planning, end-user liaison support, customer- facing systems, and decision support systems;
- 5.0 Define and analyze various IT management responsibilities, including planning, budgeting, project management, and personnel management; and
- 6.0 Discuss critical ethical and social issues in information systems.

10. Assessment Measures

Assessment of student learning may include, but not be limited to, the following:

- 1.0 Tests and quizzes;
- 2.0 Homework; and
- 3.0 Group projects.