College of Micronesia-FSM
P. O. Box 159
Kolonia, Pohnpei FM 96941

Course Outline Cover Page

Computer Information Systems **IS 201**
Course Title Department and Number

Course Description:
Provides fundamental understanding of computers and information systems. The students will be exposed to tools and technologies used in the computer-based information systems. They include hardware and software resources, business systems, design methods, programming languages, networking and communications.

Course Prepared by:Business Administration State Pohnpei-national campus

	Hours per Week		No. of Week		Total Hours	=	Semester Credits
Lecture	3	x	16	x	48/16	=	3
Laboratory		x		x		=	
Workshop		x		x		=	

Total Semester Credits 3

Purpose of Course:
Degree Requirement r
Degree Elective
Certificate
Remedial
Other

Prerequisite Course(s): CA 100, CA 101

Signa 8/17/98
ture, Chairperson, Curriculum Committee **Date Approved by Committee**

Susan J Moses 8/27/98
Signature, President, COM-FSM **Date Approved by President**

College of Micronesia
IS201 COMPUTER INFORMATION SYSTEMS
Course Outline

I. COURSE OBJECTIVES

A. General Objectives:

Provides fundamental understanding of Computers and Information systems. The students will be exposed to tools and technologies used in the computer-based information systems. They include hardware and software resources, business systems design methods, programming languages, networking and communications.

B. Specific Objective:

Upon completion, student will be able to:

1. **describe the basic components of a computer and classify computers by size.**
2. **identify state-of-the-art hardware systems and explain their functions.**
3. **name software resources and their use.**
4. **explain the concepts of data communications.**
5. **define and classify various types of networking technologies.**
6. **identify and distinguish between various programming languages.**
7. **demonstrate conceptual understanding of Operating Systems.**
8. **explain how the systems are designed and analyzed.**
9. **differentiate between classic and new approaches in Management Information systems.**
10. **explain the role of Computer security and privacy.**
11. **explain the Importance of Computer systems policy and ethics.**
12. **explain Modern trends in Computer systems: Expert systems, Robotics & virtual reality.**

13. use the hands-on tools such as Word Processing and Presentation for business objectives.

14. define and explain Data Base Management Systems including the use, storage and retrieval of business data.

II COURSE CONTENT

1. Fundamentals of Information Systems
2. State-of-art Hardware and Software resources and their uses
3. Data Communication & Networking Technologies
4. Computer Programming Languages
5. Operating Systems
6. Systems Design and Analysis
7. Classic and Modern Management Information systems
8. Computer Security, Privacy, Computer Policy and Ethics
9. Modern trends: Expert & Decision Support Systems
10. Database Management Concepts

III TEXTBOOKS

Capron, M.L., *Computers, Tools for an Information Age*, Sixth edition. Prentice Hall, 2000.

IV REQUIRED COURSE MATERIALS

No extra materials would be required.

V REFERENCE MATERIALS

Journals such as Byte, Journal of Computer Information Systems, Windows NT.

VI INSTRUCTIONAL COST

There are no unusual costs associated with the presentation of this course.

VII METHODS OF INSTRUCTION:

Lectures, Projects, practice sets and group and individual assignments.

VIII EVALUATION:

Grades will be assigned based on the following percentage of total points received from exams, projects, quizzes, practice sets, and the midterm and final. Any homework assigned must be turned in on time, regardless of attendance. No quizzes or exams can be made up without a valid medical excuse.

A……..90% to 100%
B……..80% to 89%
C……..70% to 79%
D……..60% to 69%
F……59% and below

IX ATTENDANCE POLICY:

The COM-FSM Attendance Policy will be observed.