CMI COURSE CURRICULUM
COURSE ACTION

Course Title: Introduction to Information Systems **Alpha Number:** ICS 130 **CIP No.** 11.0401

Type of Action:

_✓_ New Course (attach narrative justification for course creation)

_____ Substantive Revision (attach narrative justification for changes, including assessment and/or achievement data and feedback from the advisory committee if relevant)

Select all that apply:
_____Change in number of credit hours
_____Change in prerequisite
_____Substantive change in course content
_____Change to SLOs _____Other:

_____Non-substantive Revision
Select all that apply:
_____Change in Alpha Number or Title (unless letter abbreviation has not previously been used)
_____Edit to course description that does not alter the substance of the course
_____Change to recommended texts
_____Other

_____ Reinstitution of Archived Course (attach narrative justification for reinstitution, including evidence of demand, evidence of capacity, feedback from the advisory committee if relevant, and commentary that speaks directly to the reasons the course was initially archived)

_____Reaffirmation of Course (only allowable if course completion rate exceeds ISS, the benchmark has been met for the majority of SLO assessments, and there is no evidence of inequitable levels of achievement across subpopulations; attach evidence)

Approvals:

	Name	**Signature**	**Date**
Department Chair	Mr. Edward Alfonso	DocuSigned by: 1C652FF7AC1E4C5...	10/23/2024
Curriculum Committee Chair	Mr. Edward Alfonso	DocuSigned by: 1C652FF7AC1E4C5...	10/23/2024
Dean	Ms. Vasemaca Savu	DocuSigned by: A656D7CD46154E6...	10/22/2024
VPASA	Dr. Elizabeth Switaj	DocuSigned by: 89BEB3BDDC23455...	10/30/2024

CMI COURSE OUTLINE

CIP No. 11.0401 **Version No.** 1

Alpha Number: ICS 130 **Course Title:** Introduction to Information Systems

Course Description: Introduces the fundamentals of information systems, its functions and the flow of information in an organizational structure. The learner is presented with an engaging and exploratory view of computerized information systems, the components that comprise them, how they work and interact as pertaining to different levels of management in an organization.

Course originally prepared by: Solomone Pule/Curtis Vila **Department:** STEM **Month/Year:** Aug/2024

Course mode(s): ✓ Face to Face (including Zoom) ____ Hybrid ____ Distance Education

Credits calculated by: ✓ Credit Hour ____ Clock Hour

Contact Hours: 90

Type	No. of Hours	No. of Credits	Maximum No. of Hours Online
Lecture/Seminar/Workshop	45	3	
Clinical			
Practicum			
Lab/Tutorial	45	1	
Fieldwork			
Studio Time			
Total	**90**	**4**	

Purpose(s) of Course:
- Degree Requirement: AS Degree in Information Systems
- Degree Elective: Liberal Art
- General Education: _____
- Credit Certification: Certificate of Completion in IT Support Level 1
- Developmental: _____
- CTE/TVET: _____
- ABE/Adult HS: _____

Distribution Area:
- Humanities: _____
- Social Sciences: _____
- Mathematics (Credit): _____
- Science: _____

Prerequisite: ____ICS 090_____

Student Learning Outcomes: Upon completion of this course, students will be able to:

1. Identify components of an information system
2. Describe the different functions of an information system in an organization
3. Explain information flow in an organization as pertaining to different levels of management
   Illustrate the use of each type of information systems
4. Apply the types of computerized information systems, with examples.

SLO Mapping:

Prerequisite Course SLO	Linked SLO from this Course	Explanation
ICS 090 SLO (1) Utilize the internet and the worldwide web properly as information tools; (2) Employ different Basic Application Software; (3)Classify Hardware components and illustrate how they interact; (4) Create a diagram of a Communication system and label its components; (5) Identify different network types and topologies; (6)Assess a given scenario and identify whether it concerns the issue of privacy, security, or ethics.	1 - 5	Students will be able to introduce the information systems skills.

Links to Program Learning Outcomes:

SLO	Linked PLO	I/P/M	Explanation of Link
1 & 4	PLO 2: **Graphs:** Through the creation and analysis of graphs, demonstrate the ability to both compare and quantify changes.	P	Demonstrate a comprehensive understanding of the components of information systems, its fundamental concepts, theories, and principles related to information systems.
2		P	Information Systems' role in organizations and the impact of technology on business processes.
3		P	Analyze and evaluate the information requirements of organizations and propose effective information system solutions that align with business strategies, goals, and objectives.
5		P	Apply critical thinking and problem-solving skills to identify, analyze, and resolve information system-related issues and challenges.

Course Content: Students in this course will be able to understand:

1. Data, Information, and Knowledge
2. Information Systems – Components & Functions
3. Information Flow
4. Management Levels & Information Systems
5. Computerized Information Systems

Higher Order Thinking Skills: Students in this course will experience:

✓ Analyzing the basic elements of an idea, experience, or theory
✓ Making judgments about the value or soundness of information, arguments, or methods
✓ Applying theories or concepts to practical problems or in new situations

Recommended Methods of Instruction

_____ Demonstration
✓ Lecture
_____ Small group discussion
✓ Class discussion
✓ Audio-Visual Aids
✓ Labs/Tutorials
_____ Supervised Practice
_____ Field Trips
_____ Other:

Recommended Assessment Tool Type(s):

_____ Case Study
_____ Critique of Performance
✓ Exam/Quiz In-Course
_____ Exam/Quiz Standardized (attach narrative describing development and validation process)
_____ Focus Group
_____ Group Project
✓ Individual Project
_____ Observation
_____ Portfolio Review
✓ Presentation
_____ Supervisor Evaluation
_____ Survey
✓ Written Assignment

Required Forms of Regular and Substantive Interaction for Hybrid or Distance Education Courses (Select at Least Two):

_____ Direct instruction through:
- _____ Live video lectures
- _____ Live audio-only lectures
- _____ Live text chats
- _____ Assessing or providing feedback on a student's coursework

_____ Providing information or responding to questions about the content of a course or competency through:
- _____ Live video discussions
- _____ Live audio-only discussions
- _____ Live text chats
- _____ Asynchronous message boards or text chats

_____ Facilitating a group discussion regarding the content of a course or competency through:
- _____ Live video discussions
- _____ Live audio-only discussions
- _____ Live text chats
- _____ Asynchronous message boards or text chats

_____ Other, specify:

Note: for distance education courses, if only two are selected, both must occur within the course on a weekly basis. If more than two are selected, the instructor may choose which two are used during each week.

Equipment and Materials:

1. **Recommended texts:**
   a. Stair R., Reynolds G. (2018). ***Fundamentals of Information Systems*** (9th ed.). Boston, MA 02210, USA; CENGAGE Learning. ISBN: 9780357687024
2. **Equipment/Facilities:**
   a. Computer lab with Internet access
3. **Materials and Supplies:**
   a. PRINTING SUPPLIES: Printer/Copier/Scanner, Bond Paper, Stapler

Connection to College Mission:

The College of the Marshall Islands will provide our community with access to quality, higher and further educational services, prioritize student success through engagement in relevant Academic, Career and Technical Education, and be a center for the study of Marshallese Culture. It will also provide intellectual resources and facilitate research specific to the needs of the nation. *EC approved 4th Nov, 2020. BOR approved 1st December, 2020*

This course connects to the College Mission by providing access to quality, higher and further educational services in ICT as a foundation for Information Systems; prioritizing success through engagement in relevant Academic and Career Education for learners as Data & Information Operators and/or Administrators. It upholds the values of being skillful and knowledgeable in Problem-Solving, Critical Think and Information Systems, confirming the importance of seeking knowledge and being inquisitive in how to design, develop, maintain and administer an information system within an organization.

Connection to Department Mission:

The mission of the Science, Technology, and Mathematics (STeM) Department is to provide science, technology and mathematics courses to support academic programs and prepare students seeking careers in marine science or an advanced education in a STeM discipline. *Approved by CC on March 5, 2018. Approved by IEC on March 14, 2018.*

- Opens the door to higher levels of study in Information Systems.
- Support ICT programs and prepare students seeking careers or an advanced education in Information Systems as a branch of the new ICT & Computing faculty/school of the STEM Department.

Narrative justification for course creation:

Unleashing the Power of Data and Technology

In today's data-driven world, information systems play a pivotal role in organizations across industries. The creation of an "Introduction to Information Systems" course is crucial to equip learners with a comprehensive understanding of how information systems are designed, implemented, and utilized to support business processes and decision-making.

Moreover, the creation of an Introduction to Information Systems course is essential in unlocking the power of data and technology by providing learners with a comprehensive understanding of information systems and their role in organizations. This course empowers individuals to leverage information systems effectively. Equipped with this knowledge, learners will contribute to optimizing business processes, making informed decisions, ensuring information security, and embracing technological innovation in this era of digital data and information.

CC Approved: July 31, 2024