



**University of Embu**  
**Department of Computing and Information Technology (CIT)**

**Course code: SIT 222**  
**MANAGEMENT**

**Course Title: INFORMATION SYSTEM**

**Semester:** Second

**Academic year:** 2024/2025

### **1.0 COURSE PURPOSE**

The course is designed to examine the use of information systems to support the management and business activities of an organization. The students are exposed to concepts such as the fundamentals of hardware and software, and information systems.

### **2.0 LEARNING OUTCOMES**

At the end of this course, the learner should be able to:

- i. Describe various types of information systems.
- ii. Describe organizational and managerial foundations of information systems.
- iii. Evaluate the role of information systems in a business.
- iv. Analyze challenges posed by information systems and management solutions.
- v. Describe different IS in the business

### **3.0 COURSE OUTLINE**

WEEKS	TOPIC	REMARK
WEEK 1: 13/01/2025	<b>1. Introduction to IS</b> <ul style="list-style-type: none"><li>• Basic information concepts</li><li>• Classification of information</li><li>• Quality of information</li></ul>	
WEEK 2: 20/01/2025	<b>2. Need of information processing</b> <ul style="list-style-type: none"><li>• IS components</li></ul>	
WEEK 3: 27/01/2025	<b>3. Management Information Systems in Enterprises</b> <ul style="list-style-type: none"><li>• Advantages of MIS</li><li>• The role of MIS in business</li><li>• Classification of Information systems</li><li>• Roles and skills of IS managers</li></ul>	
WEEK 4: 03/02/2025	<b>4. Information Flow and Coordination</b> <ul style="list-style-type: none"><li>• Level of Management</li><li>• Information resources management</li></ul>	

	<ul style="list-style-type: none"> <li>• Information and decision making</li> <li>• Types of decision making</li> <li>• Stages of decision making</li> <li>• Information retrieval and models</li> </ul>	
WEEK 5: 10/02/2025	SIT IN CAT 1	
WEEK 6: 17/02/2025	<b>5. Information systems:</b> <ul style="list-style-type: none"> <li>• Enterprise resource planning,</li> <li>• Customer relationship management,</li> </ul>	
WEEK 7: 24/02/2025	<b>6. Information systems:</b> <ul style="list-style-type: none"> <li>• Decision Support systems</li> <li>• Knowledge management system</li> </ul>	
WEEK 8: 03/03/2025	<b>7. Information systems:</b> <ul style="list-style-type: none"> <li>• Accounting Information Systems</li> <li>• TPS</li> </ul>	
WEEK 9: 10/03/2025	SIT IN CAT 2	
WEEK 10: 17/03/2025	<b>8. Ethical and Legal issues in MIS</b>	
WEEK 11& 12	REVISION	
	Examination	

#### 4.0 LEARNING AND TEACHING METHODOLOGIES

Lectures and Group Discussions, Group assignment

#### 5.0 COURSE EVALUATION

TYPE	WEIGHING
CATS	30%
MAIN EXAM	70%
TOTAL	100%

#### 6.0 RECOMMENDEND TEXTS

1. Laudon&Laudon , Management Information Systems: Managing the Digital Firm, 9/E
2. J.P. & Laudon, K.C. (2009). Essentials of Management Information Systems, 5th ed,;Laudon, Prentice Hall. ISBN 0-13-008734-3
3. Graham Curtis, David Cobham, Pearson 920080, Business Information Systems: Analysis, Design and Practice 6th Edition; ISBN13: 9780273713821, ISBN10: 0273713825

4. Laudon, Kenneth C., and Jane P. Laudon, (2017). Essentials of management information systems. Boston: Pearson, Print.

**Recommended Reference Materials**

1. Power and Sharda, Decision Support Systems, Springerlink.
2. Elizabeth Hardcastle, Business Information Systems; ISBN 978-87-7681-463
3. Empirical Investigation of Factors in Data Warehousing Success in Management Information Quarterly Vol 25 Issue
4. Kaganet. A. (2007). Evaluation Information Security Tradeoffs in Computers and Society.