

**Instructor:** Dr Joshua Rumo A Ndiege  
**Consultation Hours:** M-R 8:00am – 10:30a.m, 3:00pm – 4:00pm  
**E-mail:** jrumo@usiu.ac.ke  
**Classroom:** LAB 2  
**Class Times:** Tuesday 5:40pm – 9:00p.m

**TITLE OF THE COURSE: MIS6140 INFORMATION SYSTEMS STRATEGY AND MANAGEMENT**

*Pre-requisite: None*

*Credits Units: 3*

**Purpose of the Course**

The purpose of this course is to provide students with a balanced view and deeper understanding of developing information systems strategy and managing information systems from organizational and technical perspectives so that they have a theoretically sound, but nevertheless practically oriented foundation, from which to successfully tackle information systems projects, initiatives and implementations.

**Expected Learning Outcomes**

By the end of this course, students will be able to:

1. Operationally manage and coordinate IT systems within small, medium and large corporate enterprises
2. Develop, implement and coordinate IT systems strategies and plans within small, medium and large corporate enterprises
3. Resource, finance, plan and control corporate IT systems.
4. Outline the importance of IT governance and decision-making, IT strategy and planning, Managing IT and organizational change.
5. Describe business continuity and the importance of security in an organization.
6. Describe E-business, e-commerce and emerging technologies in organizations.

**Course Content**

Course Introduction; IT supporting organizational performance; Managing data for high performance organizations; Securing the organization and managing business continuity; E-business, e-commerce and emerging technologies in organizations;

Managing collaborative organizational systems; IT governance and decision-making; IT strategy and planning; Managing IT and organizational change; Acquiring and developing IT infrastructure; Impact of IT on industries and communities; Group Representations; Course Review.

### **Mode of Delivery**

Lectures and delivery through the Blackboard e-learning platform. Presentations by members of the class, Case discussions, Tutorials, Assignments, group work, practical laboratory-based work, Library, manual/notes, classroom based tutorial exercises and directed self-study.

### **Instructional Materials and/or Equipment**

Course text, Handouts, White board, Smart board, LCD Data projector, Presentation slides, Blackboard e-learning platform and Journals.

### **Course Assessment**

Class assignments, take-home assignments, tests, small projects to demonstrate use of software tools;

Quizzes	20%
Project	15%
Assignments	10%
Participation and Attendance	5%
Mid-semester	20%
Final semester exams	30%
<b>Total</b>	<b><u>100%</u></b>

### **Content & Class Schedule**

<b>Week</b>	<b>Topics</b>	<b>Class Activity</b>	<b>References</b>
1	Course Introduction Understanding the value of IT IT supporting organizational performance	Introductions Lecture & Discussions	Course text* Part I and Handouts
2	Understanding IT Strategy Developing IT Strategy (for small, medium & large firms) - Understanding the Enterprise Architecture frameworks	Lecture, Group Discussions Building Enterprise Architecture Framework	Course text* Chapter 12 and Handouts

	<ul style="list-style-type: none"> <li>- Linking IT to Business Metrics</li> <li>- Approaches to IT strategy development (Top-down   Bottom-up)</li> </ul>		
3	Building a strong relationship with the Business  Communicating with Business Managers  Building better IT leaders from the Bottom-Up	Developing an IT strategy  Lecture, Group Discussions	Handouts
4	IT Budgeting Process  Creating and evolving a technology roadmap	Quiz 1 and Lecture	Handouts
5	Acquiring management support and developing a business case for IT management	Lecture, Group Discussions	Course text** chapter 1
6	Designing IT organization and IT Infrastructure	Lecture, Group Discussions  Designing IT organization and IT Infrastructure	Course text* part IV & Course text** chapter 2
7	<b>Mid Semester</b>		
8	Securing the organization and business continuity  Managing collaborative organization systems	Lecture and Discussions  Developing Business Continuity plan	Course text* chapter 5 & 10
9	IT Governance & Decision making  Managing organizational change	Lecture & Group Discussions	Course text** chapter 14
10	Acquiring and Developing IT Infrastructure	Lecture, Group Discussions	Course text* chapter 12
11	Integrating Systems Management processes  Impact of IT on Industries and Communities	Lecture, Lab Exercises and Quiz 2	Course text** chapter 12

12	Presentations		
13	Revision Week and Tutorials	Discussion	N/A
14	<b>Final Exam</b>		

### **Core Reading Materials**

- \*Turba, E., Volonino, L. (2010). *IT for Management*. 7<sup>th</sup> Edition. Hoboken, New Jersey: John Wiley and Sons.
- \*\*Schiesser, R., (2010). *IT Systems Management*. 2<sup>nd</sup> Edition, Upper Saddle River, New Jersey: Prentice Hall.

### **Recommended Reference Materials**

- Abdel-Moteleb, A., Busia, Y, Huxley, A. (2005). *Information Systems and Strategic Management*. Middlesex UK, Middlesex University Press Ltd.
- Clarke, S. (2006). *Information Systems Strategic Management: An Integrated Approach*. London, UK: Routledge.

### **Journals**

- Journal of strategic information systems & management
- The Journal of strategic information systems
- Journal of Management Information Systems
- International Journal of Information Systems for Crisis
- Strategic Management Journal

### **e-Resources**

<http://onlinelibrary.wiley.com/>  
<http://www.ajol.info>  
[www.jstor.org](http://www.jstor.org)