UNIVERSITY VISION

A leading University in advancing scholarly innovation, multi-cultural convergence, and responsive public service in a borderless Region.

UNIVERSITY MISSION

The University shall primarily provide advance instruction and professional training in science and technology, agriculture, fisheries, education and other related field of study. It shall undertake research and extension services, and provide progressive leadership in its area of specialization.

UNIVERSITY GOAL

To produce graduates with excellence and dignity in arts, science and technology

UNIVERSITY OBJECTIVES

a. Enhance competency development, commitment, professionalism, unity and true spirit of service for public accountability, transparency and delivery of quality services;
b. Provide relevant programs and professional trainings that will respond to the development needs of the region;
c. Strengthen local and international collaborations and partnerships for borderless programs;
d. Develop a research culture among faculty and students;
e. Develop and promote environmentally-sound and market-driven knowledge and technologies at par with international standards;
f. Promote research-based information and technologies for sustainable development;
g. Enhance resource generation and mobilization to sustain financial viability of the university.

Program Objectives and its relationship to University Goals:

PROGRAM OBJECTIVES (PO)	OBJECTIVES					
A graduate of BS in Information Systems can:	a	b	c	d	e	F
a) Perform theoretical and practical skills in innovating latest technology in computing;	/	/	/	/	/	/
b) Design and implement business information systems;		/			/	/
c) Design industry-based services and technology that will promote advancement and development to the community;	/	/		/	/	/
d) Demonstrate the code of conduct as well as social and legal aspects of Information Systems.	/	/	/	/		/

1. Course Code   : IS 411
2. Course Title   : IS Strategy, Management and Acquisition
3. Prerequisite   :
4. Credits   : 3 units

5. Course Description:

This course provides an overview of information systems management function with particular attention to planning, organizing and controlling user services and to managing computer information systems development process. It explores the acquisition, development, and implementation of plans and policies to achieve efficient and effective information systems; investigates the issues and approaches in managing the IS function and how the IS function supports and enables organizational capabilities and strategies.

6. Course Learning Outcomes and Relationships to Program Educational Objectives

Course Learning Outcomes	Program Objectives			
At the end of the Semester the student can:	a	b	c	d
a. understand the concepts of information systems strategy, management and acquisitions.	/	/	/	/
b. understand the information as a critical resource and on its role in policy and strategic planning.	/	/	/	/
c. understand the issues and techniques involved with the effective management of the IS function.	/	/	/	/
d. identify the IS manager's role as designer, facilitator and change agent in managing the development and implementation of computer–based information systems and in managing the evolving IS organization.	/	/	/	
e. apply the knowledge and skills in acquiring, develop, and implement plans and policies to achieve efficient and effective information systems.	/	/	/	/

7. Course Content

Course Objectives, Topics, Time Allotment	Desired Student Learning Outcomes	Outcomes-Based Assessment (OBA) Activities	Evidence of Outcomes	Course Objectives	Program Outcomes	Values Integration
Topic: SKSU VMGO, Classroom Policies, Course Overview, Course Requirements, Grading System (2 hours)						
1.1 Discuss the VMGO of the university, classroom policies, scope of the course, course requirements and grading system	1.1 Student can be aware of and appreciate of the university's VMGO, classroom policies, course overview, requirements and grading system.	Individual participation in class discussion and group presentation	Group and individual discussions			Value of appreciation
2. The Information Systems Strategy Triangle (8 hours)						
2.1. Discuss the brief overview of Business Strategy Frameworks 2.2. Discuss the brief overview of Organizational Strategies 2.3. Discuss the Brief Overview of Information Systems Strategy 2.4. Identify and discuss the Four (4) keys of IS Strategy	2.1. Students can understand the Business Strategy Frameworks 2.2. Students can understand the Organizational Strategies 2.3. Students can understand the Information Systems Strategy 2.4. Students can explain and differentiate the Four (4) keys of IS Strategy	Individual participation in class discussion and group presentation Lectures Interactive Sessions Case Analysis	Test and Quizzes Group and individual discussions Interactive Sessions Case Analysis rubrics	a, b, c	a, b, c	Unity and teamwork Value of participation Communication Challenge Achievement Creativity Value of Hard work Resourcefulness Value of Appreciations
3. Strategic Use of Information Resources (8 hours)						

3.1. List the identifying factors of the eras of information usage 3.2 Know what makes an information resources valuable 3.3 Explain how information resources are used strategically in context of the 5-forces model 3.4. Understand how information resources can be used to alter the value chain 3.5 Explain the importance of strategic alliances 3.6 Know the risks of information resources	3.1. Students can introduce SCM System requirements 3.2 Students can discuss Things to consider in building SCM 3.3 Students can introduce and create Building Block of SCM 3.4 Students can introduce and create SCM front end design 3.5 Students can discuss the importance of strategic alliances and identify the risks of information resources	Individual participation in class discussion and group presentation Lectures Interactive Sessions Case Analysis	Test and Quizzes Group and individual discussions Interactive Sessions Case Analysis rubrics	a, b, c, d	a, b, c, d	Unity and teamwork Value of participation Communication Challenge Achievement Creativity Value of Hard work Resourcefulness Value of Appreciations
4. Organizational Impacts of Information Systems Use (10 hours)						
4.1. Discuss how the use of information technology impact the organization. 4.2. Identify type of organizational structure tends to be most willing to embrace technological change and sophistication	4.1 Student can explain the use of information technology impact the organization. 4.2 Student can differentiate and explain the type of organizational structure tends to be most willing to	Individual participation in class discussion and group presentation Lectures Interactive Sessions Case Analysis	Test and Quizzes Group and individual discussions Interactive Sessions Case Analysis rubrics	a, b, c, d	a, b, c, d	Unity and teamwork Value of participation Communication Challenge Achievement

						Creativity
	embrace technological change and sophistication					Value of Hard work
						Resourcefulness
4.3. List the advantages and disadvantages of the networked organizational structure	4.3 Student can understand the advantages and disadvantages of the networked organization					Value of Appreciations
4.4. Discuss how IT changed the way managers monitor and evaluate	4.4 Student can explain how IT changed the way managers monitor and evaluate					
4.5 Define and explain the concept and importance of virtual organization	4.5 Student can identify and discuss the concept and importance of virtual organization					
4.6 Identify the challenges that are faced by virtual teams	4.6 Student can understand and explain the challenges that are faced by the virtual teams					
5. The Management Information Systems Organization (6 hours)						
5.1 Identify the major MIS positions in an organization	5.1 Student can identify and explain the major MIS positions in an organization	Individual participation in class discussion and group presentation	Test and Quizzes	a, b, c, d	a, b, c, d	Unity and teamwork
5.2 Discuss the main role of the CIO	5.2 Student can explain the main role of the CIO	Lectures Interactive Sessions	Group and individual discussions			Value of participation
						Communication

		Case Analysis					
5.3 Discuss the manager's expectations from the MIS organization	5.3 Student can explain the manager's expectations from the MIS organization		Interactive Sessions Case Analysis rubrics				Challenge Achievement
5.4 Discuss the outsourcing be used to provide competitive advantage	5.4 Student can explain the outsourcing be used to provide competitive advantage						Creativity Value of Hard work
5.5 Discuss some of the disadvantages of outsourcing	5.5 Student can explain the some of the disadvantages of outsourcing						Resourcefulness Value of Appreciations

6. Information System Sourcing (8 hours)

6.1. Describe the Sourcing Decision Cycle Framework	6.1 Student can explain the Sourcing Decision Cycle Framework	Individual participation in class discussion and group presentation	Group and individual discussions	a, b, c	a, b, c, d, e		Unity and teamwork Value of participation
6.2 Explain the differences between – insourcing and outsourcing, inshoring and offshoring and nearshoring and farshoring.	6.2 Student can discuss the differences between – insourcing and outsourcing, inshoring and offshoring and nearshoring and farshoring.	Lectures Interactive Sessions Case Analysis	Interactive Sessions Case Analysis rubrics				Communication Challenge Achievement
6.3 List the major drivers for outsourcing	6.3 Student can identify the major drivers for outsourcing						Creativity Value of Hard work
6.4 Describe how offshoring must be managed	6.4 Student can explain the how offshoring must be managed						Resourcefulness Value of Appreciations

6.5 Define the different ways of outsourcing including ASPs.	6.5 Student can describe the different ways of outsourcing including ASPs.					
6.6 Discuss the difference between full and selective outsourcing	6.6 Student can understand the difference between full and selective outsourcing					

7. Acquiring Information Systems Applications and Infrastructure (12 hours)

7.1. Describe the process of IS acquisition or development	7.1 Student can explain the process of IS acquisition or development	Individual participation in class discussion and group presentation	Test and Quizzes	a, b, c, d	a, b, c, d, e	Unity and teamwork
						Value of participation
7.2 Describe IS project identification, justification, and planning	7.2 Student can explain IS project identification, justification, and planning	Lectures Interactive Sessions Case Analysis	Group and individual discussions			Communication
						Challenge
7.3 Describe the use of criteria for selecting an acquisition approach	7.3 Student can explain IS project identification, justification, and planning		Interactive Sessions Case Analysis rubrics			Achievement
						Creativity
						Value of Hard work
7.4 Describe the process of vendor and software selection	7.4 Student can understand and identify the process of vendor and software selection					Resourcefulness
						Value of Appreciations
7.5 Understand some major implementation issues	7.5 Student can explain and identify the major implementation issues					
7.6 Understand the issue of connecting IT applications to	7.6 Student can explain the issue of connecting IT					

| databases, other applications, networks, and business partners | applications to databases, other applications, networks, and business partners | | | | | |
| 7.7 Describe the need for business process redesign and the methodologies for doing it | 7.7 Student can discuss business process redesign and the methodologies | | | | | |

Examination 4 hours Lecture (36 hours) Laboratory (54 hours) **Total no. of hours: 94 hours**

8. Course Evaluation:

Course Requirements: Customized or Outsource Information System for Business/Organization

- Group/Individual Requirement (Students are required to design, develop and implement any type of information systems for the chosen organization with documentation).

9. Grading System:

MIDTERM		FINAL TERM	
Exam	- 40%	Exam	- 40%
Course Requirements	- 20%	Course Requirements	- 20%
Lab. Work/Class Work/Quizzes	- 20%	Attendance/Class Work	- 20%
Attendance	- 20%	Attendance	- 20%
	100%		100%

MTG+FTG/2=FG

Schedule of Examination

Midterm	-	October 16-18, 2024
Final Term	-	December 16-18, 2024
Classes End	-	December 19, 2024

REFERENCES

Textbooks:

- *Keri E. Pearlson, Carol S. Saunders, Dennis F. Galleta, (2016). "Managing and Using Information Systems: A Strategic Approach 6th Edition"*
- *Kenneth C. Laudon and Jane P. Laudon, (2016). "Management Information Systems: Managing the Digital Firm, 14th edition, ISBN 978-0-13-389816-3".*
- *Anita Cassidy, (2016). "A Practical Guide to Information Systems Strategic Planning 2nd Edition, ISBN 978-0849350733"*

E-Books:

- *Keri E. Pearlson, Carol S. Saunders, Dennis F. Galleta, (2016). "Managing and Using Information Systems: A Strategic Approach 6th Edition"*
- *Anita Cassidy, (2016). "A Practical Guide to Information Systems Strategic Planning 2nd Edition, ISBN 978-0849350733"*
- *Joe Peppard, John Ward, (2016). "The Strategic Management of Information Systems Building a Digital Strategy, 4th Edition, ISBN 9781119215479"*
- *David T. Bourgeois, Ph.D. and Bourgeois, (2014). Information Systems for Business and Beyond*
- *Paolo Spagnoletti, (2012). Organizational Change and Information Systems, Working and Living Together in New Ways*
- *Keri E. Pearlson, Carol S. Saunders, (2009). "Managing and Using Information Systems: A Strategic Approach 4th Edition"*

Other Online References/Resources

- https://www.tutorialspoint.com/management_information_system/business_objectives_of_mis.htm
- https://ecomputernotes.com/mis/information-and-system-concepts/informationsystem-and-businessstrategy
- https://www.britannica.com/topic/information-system/Acquiring-information-systems-and-services
- https://silo.tips/download/chapter-9-developing-and-acquiring-information-systems

Supplemental: https://www.youtube.com/watch?v=Ck-MR2jFGCc

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