KINGDOM OF SAUDI ARABIA
IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
COLLEGE OF COMPUTER AND INFORMATION SCIENCES
INFORMATION SYSTEMS DEPARTMENT
BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية
جامعة الإمام محمد بن سعود الإسلامية
كلية علوم الحاسب والمعلومات
قسم نظم المعلومات
بكالوريوس نظم المعلومات

SYLLABUS

IS 1467: *Selected topics in digital transformation.*

PREREQUISITE		*IS 1240*	CREDIT HOURS	3

Instructor: TBA
Contact information and office hours

Office No: TBA

Office Hours: **TBA**

E-mail: TBA

COURSE DESCRIPTION

Internet and other information technologies have reshaped organizations. Companies are increasingly forced to deal with digital/information strategies and understanding how to handle those strategies in important for managers. The purpose of this course it to explore some of the strategies in detail.

	COURSE LEARNING OUTCOMES (CLOs)	Aligned SOs
1	**Knowledge and Understanding**	
1.1	Identify how Digital Transformation impacts corporate strategies	1 (I)
1.2	Classify different forms of Digital Disruption	1 (I)
1.3	Choose appropriate concepts and theories for developing business models	1 (I)
1.4	Gauge the role of information technology and the World Wide Web play in transforming business models and recognize its social and ethical implications	1 (P)
2	**Skills :**	
2.1	Design an appropriate business model for an organisation that addresses the disrupted environment.	2 (P)
2.2	Design the change process for an organisation required to arrive at the new business model	2 (P)
3	**Values:**	
3.1	Present a topic in a compelling manner.	3 (P)
3.2	Function effectively on teams to accomplish a common goal.	5 (I)

TEACHING Strategies

Lectures
Self learning

List of Topics to be Covered

No	List of Topics	Contact Hours
١	Domains of Digital Transformation, Digital Innovations	3
٢	Organization around digital innovation	3+3
٣	Infrastructure for digital innovations, Information versus Technology	3
٤	Creating value chain and information sequences	3
5	How to create Value by changing information?	6
6	IT Platforms, Data Structures and Basic Analysis	6
7	Excel & Analysis (Excel-training- Power Pivot -Power BI)	3+3
8	Network effects	3
9	Platform for new innovations	3
10	Project Discussion	3
Total		٣6+6(SL)

TEXT BOOK

The Digital Transformation Playbook: Rethink Your Business for the Digital Age, David L. Rogers, Columbia Business School Publishing; Illustrated edition (April 5, 2016), ISBN-13 ٩٧٨-٠٢٣١١٧٥٤٤٩ :

REFERENCES

IT Savvy: What Top Executives Must Know to Go from Pain to Gain Illustrated Edition, Kindle Edition by Peter Weill (Author), Jeanne W. Ross (Author) ISBN-13 : 978-1422181010

Course Assessment Methods			
No	Assessment Method	Due Week	%Total Assessment
1	**Quiz**	4	10
2	**Assignment**	9	10
3	**Midterm**	7	20
4	**Project / Lab Exam**	12	20
5	**Final Exam**	13	40