



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

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

SYLLABUS

Course Code: IS 6123 Course Name: Digital Transformation

CREDIT HOURS	4
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PREREQUISITE	None
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
Every business begun before the Internet now faces the same challenge: How to transform to compete in a digital economy? Globally recognized digital experts argue that digital transformation is not about updating your technology but about upgrading your strategic thinking. This course shows how pre-digital-era companies can reinvigorate their game plans and capture the new opportunities of the digital world. The course shows why traditional businesses need to rethink their underlying assumptions in five domains of strategy—customers, competition, data, innovation, and value. It reveals how to harness customer networks, platforms, big data, rapid experimentation, and disruptive business models—and how to integrate these into your existing business and organization.



COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Articulate the strategic use of digital transformation.	K2
1.2	Outline the processes by which digital transformation is performed.	K1
1.3	Review state of art researches to comprehend modern developments in digital K3 transformation.	K3
2	Skills :	
2.1	Perform research to identify gaps in existing and standard systems in the S1 field of digital transformation.	S1
2.2	Utilize the tools and technologies needed to perform digital transformation.	S4
3	Values:	
3.1	Function effectively individually as well as on teams to accomplish a common goal	V3
3.2	Write course project reports abiding all ethical standards using leadership and management talents.	V2
3.3	Demonstrate professionalism and responsibility for maximum impact to achieve desired goal.	V1

TEACHING Strategies
Class lectures, Assignment, Project explanation session.

No	List of Topics	Contact Hours	Self-Learning
1	Introduction to digital transformation	4	
2	The Five Domains of Digital Transformation	8	
3	Harness Computer Networks	4	
4	Build Platforms, Not Just Products	4	
5	Turn Data into Assets	4	
6	Innovate by Rapid Experimentation	4	
7	Adapt your Value Proposition	4	
8	Mastering Disruptive Business Models	4	
9	Project presentation	4	
Total		40	

**TEXT BOOK**

The Digital Transformation Playbook: Rethink Your Business for the Digital Age; by David Rogers

REFERENCES

Digital Transformation Strategy, Execution and Technology, 2023 by Siu Loon Hoe
ISBN 9781032112534

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment
1	Quizzes	3	10
2	Assignments	5	10
3	Midterm	8	20
4	Project	10	20
5	Final Exam	11	40