A COURSE MODULE DESCRIPTOR FORM
(Course Book)

Module Information	
Course Module Title	**Management Information Systems in Healthcare**
ناونیشانی مۆدیۆل	سیستەمی زانیاری بەرێوەبردن لە چاودێری تەندروستی
عنوان الوحدة	نظم المعلومات الإدارية في الرعاية الصحية

Course Module Type	Core	**Module Code**	4HA09
ECTS Credits	6	**Module Level**	2
Semester of Delivery	3	**Dept. Code**	HA.
College (Code)	College of Administration & Economics		
Module Website (CMW)	https://ums.lfu.edu.krd/#		
Module Leader (ML)	M.Sc. Ronyaz Hayyas Mahmood		
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ML Acad. Title	Assistant Lecturer	**ML Qualification**	M.Sc.
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ML Google Scholar Acc.	https://scholar.google.com/citations?user=Jpcoek4AAAAJ&hl=en#		

Course Module Tutor	M.Sc. Ronyaz Hayyas		
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Date Approved	11th July. 2024	**Version Number**	1.0

Relation with Other Modules			
Pre-requisites	N/A		

Module Aims, Learning Outcomes, and Indicative Contents

Module Introductory Description	This topic explores health management information systems and the essential principles that managers and the public sector should adhere to in order to effectively guide individuals towards a shared goal. The initial section of the subject matter provides a rationale for presenting a summary and an examination of the differences between knowledge, information, and data. The course also covers additional topics such as an introduction to managing information systems in healthcare, information quality, decision-making and communication systems, internet and security, and more. This course is primarily designed for health and hospital management students aspiring to pursue careers in the business sector. Furthermore, its objective is to provide students with the information and skills required for effective management.

Module Aims	Health management information systems provide an overview of the key principles in Management Information Systems and their application in the field of management. Thus, the objective of instructing health management information systems can be succinctly stated as: 1. Comprehended health management information systems and differentiated between data and information. 2. Do you have a clear understanding of what Quality Management entails? What are the dimensions of quality management? 3. Identified preferred attributes of information. 4. Equipping the student with the knowledge of ethical, social, and political considerations necessary for utilizing fundamental Management Information resources on a worldwide scale. 5. Introduce the student to the difficulties that health management information systems encounter in the current highly competitive global setting.
Module Learning Outcomes	By the conclusion of the course, students should have a comprehensive 1. understanding of the significance of information systems in the operation and management of contemporary businesses. 2. The influence of information systems on organizations refers to the effects and consequences that these systems have on the functioning and performance of organizations. 3. What is the relationship between the transformation of information systems in business and globalization? 4. Acquire knowledge of the ethical, social, and political concerns that arise from information systems. 5. Information systems play a crucial role in enabling firms to leverage synergies, core competencies, and network-based strategies in order to gain a competitive edge. 6. Managers must possess knowledge of the characteristics of organizations that are necessary for effectively constructing and utilizing information.
Learning and Teaching Strategies	
Strategies	The effort will be delivered to the students using modern technology, case studies, reading materials, flipped classrooms, videos, and case analyses. The task will be accomplished by employing a student-centered methodology. The strategies to be employed to prioritize student learning outcomes.

Module Delivery	
Structured workload (h/w)	3 hours / Week
Unstructured workload (h/w)	10.8
Total workload (h/w)	3 hours / Week

Module Assessment				
	Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Outcome**
Class Participation	1	10%	Weekly	Class and activity participation rate, as well as the capacity to effectively communicate and interact with others.
Case-study	1	5%	5th -12th	Students develop the ability to critically analyze complex situations, identify problems, and evaluate alternative solutions.
Presentation / Seminar	1	10%	3th-8th	Developing an awareness of how to utilize values to better their own professionalism, as well as increasing their skills in conducting comprehensive research, identifying reliable sources, and incorporating findings into their presentations.
Quiz	1	5%	6th	reinforce and consolidate knowledge by providing regular opportunities for students to recall and apply what they have learned.
Report	1	10%	Weekly	explore subjects in greater depth, fostering a more thorough understanding of the material.
Self-study	1	5%	6th-9th	chance to exhibit knowledge in various contexts, and fostering a

				sense of responsibility and independence.
Midterm Exam	1	15%	8th-11th	
Final Exam	1	40%	15th	
Total		100%		

Learning and Teaching Resources		
	Text	**Available in the Library?**
Required Texts	1. Kenneth, C., & Jane, P. (2014). Management Information System Managing the Digital Firm, 13 ed. UK: Pearson Education Limited. 2. Pooja. (2016). Management Information System. New Delhi/ India: EXCEL BOOKS PRIVATE LIMITED. 3. Sayles, N. B., & Laurayln, k.-B. (2021). Introduction to Information Systems for Health Information Technology 3rd Edition. Ahima Press: Chicago.	Available Online
Recommended Texts	Turban, E., Sharda, R., & Delen, D. (2011). Decision Support and Business Intelligence Systems. Person Education.	Yes
Websites	Lfu.edu.krd	

Delivery Plan (Syllabus)	
Week	**Material Covered**
Week 1	**Chapter One: - Introduction to Managing Information System** Data, Information, Information Sources, the different types of sources of information used in research, Data Versus Information
Week 2	Characteristics of Information, Classification of Information, External and Internal Information Needs of Organization.
Week 3	Data Versus Information, Knowledge – Knowledge Management, Wisdom – business intelligence.
Week 4	**Chapter Two: - Quality of Information** Quality Information, The attributes of quality of information, Dimensions or Elements of Information Quality.

Week 5	**Chapter Three: - Management Information System, Organization and Strategy** Management information system analysis, concept of Management Information System, ROLE OF MANAGEMENT INFORMATION, Types Of Information Systems, Advantages and disadvantages.
Week 6	Objectives of Management Information System, Characteristics of Management Information System
Week 7	**Mid-term**
Week 8	**Chapter Four: - Information Technology for Decision Making** Concept of Decision-Making, Decision-Making Process, Classification of Decision, Roles of technology in decision-making. Presentation /Seminar.
Week 9	**Chapter six: - Information Systems Security, legal and Ethical Issues.** Information Security, Information Systems Security, Ethics issues.
Week 10	**Chapter Seven: - Information System in Global Public Sector Today.** New in Management Information Systems, Globalization opportunities, The Role of Information Systems in Business Today.
Week 11	**Chapter Eight: - Some Terms in Management Information** Business Intelligence BI.
Week 12	, Artificial Intelligence, Expert System ES
Week 13	Decision Support System (DSS), Group Decision-Making
Week 14	Enterprise resource planning (ERP), Computer application areas
Week 15	**Final Exam**
Course Keywords	
• **Information System, Information technology, Management Information, Knowledge Management.**	

APPENDIX: (Help and Information)

Percentage to Grade Chart		
Marks	Level	ئاست
90 – 100	Excellent	نایاب
80 - < 90	Very Good	زۆر باش
70 - < 80	Good	باش
60 - < 70	Medium	ناوەند
50 - < 60	Pass	پەسەند
0 - < 50	Fail	کەوتوو