



Lebanese French University

Ministry of Higher Education and  
Scientific Research  
Kurdistan Region – Iraq



## A COURSE MODULE DESCRIPTOR FORM

(Course Book)

Module Information			
Course Module Title	Management Information Systems in Healthcare		
ناونيشانى مؤديول	سيستمى زانيارى بهريوهردن له چاوديزى تهنروسنى		
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)	<a href="https://ums.lfu.edu.krd/#">https://ums.lfu.edu.krd/#</a>		
Module Leader (ML)	M.Sc. Ronyaz Hayyas Mahmood		
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<b>Date Approved</b>	4 <sup>th</sup> Sept. 2023	<b>Version Number</b>	1.0

## Relation with Other Modules

**Pre-requisites** N/A

## Module Aims, Learning Outcomes, and Indicative Contents

### Module Introductory Description

This topic discusses health management information systems and the fundamental rules that managers and the public sector should go by in order to properly lead people toward a common objective. The first part of the topic justifies an overview and a discussion of the distinctions between knowledge, information, and data. Further subjects covered include an overview of Managing Information systems in health, Quality of Information, Information Systems for Decision Making and Communication, Internet and Security, etc. It is primarily intended for all health and hospital management students who want to work in business. Additionally, it aims to give students the knowledge and abilities necessary for successful management.



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<p><b>Module Aims</b></p>	<p>Health management information systems in general introduce the student to the most important concepts, of Management Information Systems, used in the field of management and how to apply them. Therefore, the aim of teaching health management information systems can be summarized as follows:</p> <ol style="list-style-type: none"> <li>1. Understood health management information systems, and distinguish between Data and Information.</li> <li>2. Familiarity with what Quality Management is? What is the Dimension of Quality Management?</li> <li>3. Understood desirable qualities of information.</li> <li>4. Providing the student with the ethical, social, and political issues to apply basic Management Information resources in globally.</li> <li>5. Familiarize the student with the challenges health management information systems face in today's increasingly competitive global environment.</li> </ol>
<p><b>Module Learning Outcomes</b></p>	<p>At the end of the course, students should:</p> <ol style="list-style-type: none"> <li>1. Understanding why are information systems so essential for running and managing a business today.</li> <li>2. Define the impact of information systems on organizations.</li> <li>3. Knowing the transformation of information systems business and what is their relationship to globalization?</li> <li>4. Be familiar with the ethical, social, and political issues raised by information systems.</li> <li>5. Recognize information systems help businesses use synergies, core Hospital, and network-based strategies to achieve competitive advantage.</li> <li>6. Be familiar with the features of organizations do managers need to know about to build and use information systems successfully.</li> </ol>
<p><b>Learning and Teaching Strategies</b></p>	
<p><b>Strategies</b></p>	<p>Through the use of contemporary technologies, case studies, reading materials, flipped classrooms, videos, and case analyses, the module will be provided to the students. It will be done using a student-centered approach. The tactics to be used to focus on student learning outcomes.</p>

## Module Delivery

<b>Structured workload (h/w)</b>	3 hours / Week
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<b>Unstructured workload (h/w)</b>	10.8			
<b>Total workload (h/w)</b>	3 hours / Week			
Module Assessment				
	Time/Number	Weight (Marks)	Week Due	Relevant Outcome
<b>Class Activity</b>	<b>Daily</b>	10%		Allow yourself to self-reflect.
<b>Case Study</b>	2	10%	5, 10	Set & achieve your goals.
<b>Report</b>	1	15%	13	Interpret oral and written communication skills
<b>Quiz</b>	1	5%	9	help you assess your knowledge of essential accounting principles.
<b>Presentation</b>	1	5%	6	<b>boost</b> your career opportunities
<b>Midterm</b>		15%		
<b>Final Exam</b>		40%		
<b>Total</b>		100% (100 Marks)		

Learning and Teaching Resources		
	Text	Available in the Library?
<b>Required Texts</b>	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
<b>Recommended Texts</b>	Turban, E., Sharda, R., & Delen, D. (2011). Decision Support and Business Intelligence Systems. Person Education.	Yes
<b>Websites</b>	Lfu.edu.krd	

Delivery Plan (Syllabus)	
Week	Material Covered
<b>Week 1</b>	<b>Chapter One: - Introduction to Managing Information System</b>



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	Data, Information, Data Versus Information
<b>Week 2</b>	Characteristics of Information, Classification of Information
<b>Week 3</b>	Quality Information, The attributes of quality of information, Knowledge, Type of Knowledge
<b>Week 4</b>	<b>Chapter Two: - Fundamentals of Health Management Information Systems Organization and Strategy.</b> Management information system analysis, Concept of Management Information System, Advantages and disadvantages
<b>Week 5</b>	Objectives of MIS, Characteristics of MIS, Nature and Scope of MIS, Computer application areas
<b>Week 6</b>	<b>Presentation</b>
<b>Week 7</b>	<b>Mid-term</b>
<b>Week 8</b>	<b>Chapter Three: - Information Technology for Decision Making</b> Concept of Decision-Making, Decision-Making Process, Classification of Decision, Roles of technology in decision-making, Process and Modeling in Decision-Making
<b>Week 9</b>	<b>Quiz</b>
<b>Week 10</b>	<b>Chapter Four:- Kinds Of Management Information System</b> Expert System ES, Decision Support System (DSS), Group Decision-Making. Enterprise resource planning (ERP), MRS, TPS & OIS.
<b>Week 11</b>	Enterprise resource planning (ERP), MRS, TPS & OIS.
<b>Week 12</b>	<b>Chapter Five: - Communication, Internet and Security</b> Communication, Internet, INTERNET and its Importance in Management Information System.
<b>Week 13</b>	<b>Review</b>
<b>Week 14</b>	Virtual Organization, Technology for Information Systems, Information Systems Security,



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	Information Crimes.
<b>Week 15</b>	<b>Final Exam</b>
<b>Course Keywords</b>	
<ul style="list-style-type: none"><li><b>Information System, Information technology, Management Information, Knowledge Management.</b></li></ul>	

### APPENDIX: (Help and Information)

<b>Percentage to Grade Chart</b>		
Marks	Level	ئاست
90 - 100	Excellent	ناياب
80 - < 90	Very Good	زۆر باش
70 - < 80	Good	باش
60 - < 70	Medium	ناوهند
50 - < 60	Pass	پهسهند
0 - < 50	Fail	كهوتوو