



Established 1997

Curriculum for the Bachelor Degree in Disaster Management

The curriculum for the B.Sc. degree (132) credit hours is distributed as follows:-

Course No.	Requirements	Credit Hours (Cr.H)
1	University Requirements	24
	Compulsory	18
	Elective	6
2	Faculty Requirements	21
3	Specialization Requirements	75
	Compulsory	66
	Elective	9
4	Supportive Specialization Requirements	9
Total		132



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Areas of Specialization

knowledge Field Number	knowledge Field
1	Management and Behavior
2	Quantitative Methods and Scientific Research
3	Information Technology
4	Environment and Geography
5	Functions of Crises and Disaster Management
6	Functions of Safety
7	General knowledge Domain
8	Practical Applications (Field training and Graduation Project)



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First: University Requirements (24 Cr. H.) are distributed as follows:

A- Compulsory University Requirements (18 Cr. H):

Course No.	Course	Cr. H.	Weekly Hours		Prerequisite
			Lecture	Lab.	
AAL101	Applied Arabic	3	3	-	Arabic level test or arabic (99)
AEL101	Applied English (1)	3	3	-	English level test or English (99)-
AEL 102	Applied English (2)	3	3	-	101
NE 101	National Education and University behavior	3	3	-	-
35001101	Military Sciences	3	3		
CS101	Computer Skills and E-learning (Distance Learning)	1	-	3	Computer level test or computer skills (99)
---	Innovation, Pioneering and Creativity	2	-	-	-
Total		18	15	3	

B- Elective University Requirements: (6 Cr.H.)

The student chooses (6 Cr.H.) from the university elective courses offered by other faculties except the courses posed by a college of student:

Course No.	Course Title	Cr.H.
36001101	Communication Skills	3
36002102	Principles Psychology	3
36003103	Jordan Society	3
36004104	Sport and Health for All	3
36005105	Islamic Culture	3
36009110	Contemporary Administration Concepts and Skills	3
36007107	Agriculture in Jordan	3
36008108	Environment and Society	3
3601109	Rshidun Caliphs	3
36009111	Economic Concepts	3
36009109	Islam and Life	3
36009115	Digital Community	3
36009112	Law, Media and Society	3



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Second: Faculty Requirements (21 Cr.H.):

Course No.	Course	Cr.H.	Weekly Hours		Prerequisite
			Lecture	Lab.	
35005102	Computer Skills(2) / humainty		2	3	CS101
30501111	Principles of Management	3	3	-	-
30516232	Principles of Management Information System	3	3	-	35005102 30501111
30516111	Fundamental Economic Concepts	3	3	-	-
30516151	Legislations and Disater Managment	3	3	-	-
30501112	Principles of Financial Management	3	3	-	-
30516152	Fundamentals of Disasters and Crises Management	3	3	-	-
Total		21	20	3	

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Third: Specialization Requirements: (78 Cr. H.) are distributed as follows:

A- Compulsory Requirements (69 Cr. H.)

Course No.	Course	Cr. H.	Weekly Hours		Prerequisite
			Lecture	Lab.	
DIS 211	Human Resource Managment in Crises	3	3		30516152
DIS 212	Organizational Behavior	3	3	-	30501111
DIS 213	Ethics of Administrative Work	3	3	-	30516151
DIS 261	Principles of Public Safety and Occupational Health	3	3	-	30516152
DIS 241	Principles of Maps	3	2	2	-
DIS 242	Principles of Geographic Information Systems	3	3	-	30516232
DIS 363	Industrail Health	3	3		DIS 261
DIS 222	Operations Research	3	3	-	DIS 171
DIS 343	Environmental Risks Management	3	3	-	30501111
DIS 323	Scientific Research Methods	3	3	-	DIS 171
DIS 353	Negotiation and Conflict Management	3	3	-	30501111
DIS 3٥٤	Disasters and crises Operations Management	3	3	-	DIS 211
DIS 356	Stress Management in Crises	3	3	-	DIS 276
DIS 332	Information Technology in Crises	3	3	-	30516232
DIS 465	Occupational Safety and Health Systems	3	3	-	DIS 363
DIS 443	Remote Sensing Techniques	3	3	-	DIS 241 DIS 242
DIS 455	Crises Management in Organizations	3	3	-	DIS 261
DIS 457	Strategic Management for Disasters and Crises	3	3	-	DIS 354
DIS 458	Public Relations in Disasters and Crises	3	3	-	Must complete 90 Cr. H successfully.
DIS 432	Business Continuity Management	3	3	-	DIS 332
DIS 481	Field Training**	6	-	6	Must complete 90 Cr. H successfully.
DIS 482	Graduation Project	3	-	3	Must complete 100 Cr. H successfully.

** Each (3) credit hours is equal to (4) field training weeks

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B- Elective specialization requirements: (9 Cr. H.) to be selected from the following list:-

Course No.	Course	Cr.H.	Weekly Hours		Prerequisite
			Lecture	La b.	
DIS 214	Total Quality Management	3	3	-	30501111
DIS 215	Decisions Making in Disaters and Crises	3	3	-	-
DIS 333	Knowledge Management in Crises and Disasters	3	3	-	-
DIS 316	Leadership in Crises and Disasters	3	3	-	30501111
DIS 464	Management of Industrial Effluent and Hazardous Materials	3	3	-	DIS 261
DIS 459	Special Topics in Crises Management	3	3	-	Must complete 90 Cr. H successfully
DIS 366	Risk Assessment	3	3	-	DIS 261

Fourth: Supportive requirements (9 Cr. H.):

Course No.	Course	Cr.H.	Weekly Hours		Prerequisite
			Lecture	Lab.	
DIS 171	Principles of Statistics	3	3	-	-
DIS 276	Industrial Psychology	3	3	-	-
DIS 282	Civil Protection Sciences	3	3	-	-

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Advisory plan

The first year					
First semester			second semester		
Course No.	Course	Cr.H.	Course No.	Course	Cr.H.
CS101	Computer Skills and E-Learning (Distance Learning)	1	35005102	Computer Skills (2)Humanity	3
30501111	Principles of Managment	3	30516111	Fundamental Economic Concepts	3
DIS 171	Principles of Statistics	3	AAL101	Applied Arabic	3
30501112	Principles of Financial Management	3	30516152	Fundamentals of Disasters and Accidents Management	3
	Inoovation, Pioneering and Creativtity	2	NE101	National Education and University Behavior	3
30516151	Legislations and Disater Management	3			
Total		15	Total		15

The second year					
First semester			second semester		
Course No.	Course	Cr.H.	Course No.	Course	Cr.H.
DIS 213	Ethics of Administrative Work	3	DIS 212	Organizational Behavior	3
AEL101	Applied English (1)	3	DIS 222	Operations Research	3
30516232	Principles of Management Information System	3	DIS 242	Principles of Geographic Information Systems	3
DIS 211	Humam Resources Managment in Crises	3	DIS 176	Industrial Psychology	3
DIS 261	Principles of Public Safety and Occupational Health	3	DIS282	Civil Protection Sciences	3
DIS 241	Principles of Maps	3	AEL102	Applied English (2)	3
Total		18	Total		18

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The third year					
First semester			second semester		
Course No.	Course	Cr.H.	Course No.	Course	Cr.H.
DIS 363	Industrail Health	3	35001101	Military Sciences	3
DIS 343	Environmental Hazard Management	3	DIS 254	Disasters and Crisis Operations Management	3
DIS 323	Scientific Research Methods	3	DIS 256	Stress Management in Crises	3
DIS 353	Negotiation and Conflict Management	3	DIS 332	Information Technology in Crises	3
-	Elective Specialization Requirement	3	-	Elective University Requirement	3
Total		15	Total		15

The fourth year					
First semester			second semester		
Course No.	Course	Cr.H.	Course No.	Course	Cr.H.
DIS 465	Occupational Safety and Health Systems	3	DIS 458	Public Relations in Disasters and Crises	3
DIS 443	Remote Sensing Techniques	3	DIS 432	Business Continuity Management	3
DIS 455	Crises Management in Organizations	3	-	Elective University Requirement	3
DIS 457	Strategic Management for Disasters	3	DIS 482	Graduation Project	3
-	Elective Specialization Requirement	3	-	Elective Specialization Requirement	3
Total		15	Total		15



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The Description of Courses

AAL 101	Applied Arabic	3(3-0)
AEL101	Applied English (1)	3(3-0)
AEL 102	Applied English (2)	3(3-0)
NE101	National Education and University Behavior	3(3-0)
35001101	Military Sciences	3(3-0)
CS101	Computer Skills and E-learning (Distance Learning)	1(3-0)
---	Innovation , Pioneering and Creativity	2

36001101	Communication Skills	3(3-0)
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The definition, components, types, models, characteristics and efficiency of communication, study of some misconceptions about communication, mental perception and self-concept, the relationship between verbal and non-verbal communication, writing a CV and personal interview, preparing and writing letters and types of reports.

36002102	Principles of Psychology	3(3-0)
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Learn about the basic principles in psychology and the experimental origins on which psychological knowledge is based, clarify the concept of psychology, inception, development and branches with a focus on schools of psychology, learning, motivation, personality, memory, mental disorders, intelligence

36003103	Jordanian Society	3(3-0)
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The Jordanian Society course is considered one of the elective requirements at Al-Balqa Applied University, and it examines the origins and composition of Jordanian society, its categories (urban, Bedouin, rural, camps), its social and economic classes (rich, middle, and poor), its customs, traditions, values, and the characteristics of each of them. It also refers to the political, social, economic, demographic, and cultural changes that have afflicted this community as a result of population increase on the one hand, migrations and global openness on the other hand. This course has importance in refining the personality, awareness of the Jordanian citizen and bringing him to the stage of adaptation, coexistence and adaptation in the place in which he lives, works, protect and develop.



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36004104	Sport and Health for All	3(3-0)
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The course of sport and health for all is considered one of the most important courses offered to university students, because it matches an urgent need in this era, which is the lack of physical activity and the increase in risk factors for chronic disease. This course aims to introduce students to the importance of practicing sports, physical activity and its important role in preventing many chronic diseases. It also aims to raise the level of student's health awareness by providing them with information about healthy behavior and health-promoting activity.

36005105	Islamic Culture	3(3-0)
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The aim of this course is Deepening students 'culture with topics related to matters of their religion and giving them an overview of the history of the Holy Qur'an and the honorable Prophetic Sunnah, enhancing their connection, affiliation and love for their homelands through introducing them to the core of the beloved Islamic culture and guiding them to reject forms of violence and extremism that some try to attribute to Islam, and warn them of some of the scourges that destroy societies Such as drug abuse, addiction and Islamic attitude towards them, to refined the students 'personality with the idea of tolerance and compassion, so that they would be the reasons for the development and prosperity of our beloved country.

36009110	Contemporary Management Concepts and Skills	3(3-0)
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36007107	Agriculture in Jordan	3(3-0)
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This course covers topics related to the development and importance of agriculture globally, regionally and locally, agricultural climate, elements of plant production in rainy areas, animal production, marketing of agricultural products, water resources and their uses, agricultural operations, agricultural pests and methods of combating them, agriculture mechanism, food industries, institutions and operating commission, which benefit the Agriculture in Jordan.

36008108	Environment and Society	3(3-0)
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The concept, definition and development of the environment and the benefits that can be achieved through preserving environmental resources, in addition to addressing the relationship between society and environmental resources. The course also introduces topics that show the environmental reality in Jordan and its implications for society in general, not only from an environmental aspect, but also from a health, social, economic and developmental aspect. The course is also concerned with allocating part of the lectures to talk about fragile environments such as the marine environment in Aqaba and the privacy that characterizes these environments locally and internationally, in addition to the problems that the region suffers from and ways to confront them. The course did not abandon the examination of the most important tools that contribute to the preservation of environmental and natural resources, such as the establishment of natural reserves, and other tools such as the process of environmental assessment of the impact of various projects on the environment.

The course also took into account the global dimensions of environmental problems, so there were topics dealing with global environmental problems such as climate change and desertification, in addition to international agreements that dealt with these problems. This course also deals with a number of case studies as a type of applied education by being guided by a number of Environmental projects or that have a clear impact on the environment.

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3601209	Rashidun Caliphs	3(3-0)
Biographies and personalities of the five rightly-guided caliphs Abu Bakr, Omar, Othman, Ali, Al-Hassan bin Ali and how each of them reached the caliphate position, the succession of each of them, their great achievements and deeds, and the most prominent events that occurred during their time and their deaths, in a detailed historical and analytical way to reach the truth. The importance of the course is evident in refining the university student's culture and forming his Islamic historical personality in a balanced and objective manner		
36009111	Economic Concepts	3(3-0)
36009109	Islam and Life	3(3-0)
36009115	Digital Community	3(3-0)
36009112	Law, Media and Society	3(3-0)
35005102	Computer Skills(2) / Humanity	3(3-0)
An introduction to visual basic, as it includes the visual programming language, events programming, program implementation and mathematical and logical operations, conditional sentences, control statements, and matrix's		

30501111	Principles of Management	3(3-0)
This course aims to introduce students to administration science through studying the historical background of this science and some basic concepts, the relation of this science with other sciences, studying the development of administrative thinking, schools and various Administrative theories. This course contains the concept importance, functions and applications of Administrative, studying the traditional, behavioral and modern theories, illustration of the difference between public administration and business management, detailed illustration of administrative process, the relation of its elements like planning, organizing, directing, monitoring, and its effects.		

30516232	Principles of Management Information Systems	3(3-0)
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Presenting the principles of management information systems through an overview of information systems and their uses in institutions and organizations. This course is considered a preliminary in its exposure to managing the information component as one of the vital resources in the organization. This course also aims to assist the student in learning the basics of using information systems, based on what he acquired while studying computer skills courses. This course mixes technical basics with administrative concepts, which provides the student with sufficient knowledge to make him familiar with the technical terms used in this field. It includes the importance of information in management and decision-making, systems theory and its relationship with the organization, computerized and non-computerized information systems, methods of analyzing, designing, modifying, managing and linking them with the objectives of the institution, specialized information systems, marketing, financial, accounting and operational information systems,

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organizational effects of computer use in the organization, applications of management information systems
The information system evaluation , economic value of the information

Prerequisite (30501111) (35005102)

30516111	Fundamental Economic Concepts	3(3-0)
<p>The concept of market equilibrium, consumer behavior theory, production costs, and production theory, in addition to revenues and costs, and identifying the optimal points (maximum and minimum) in maximizing profits and minimizing costs. After that, the material is exposed to different market situations such as full ventilator, monopoly, monopolistic competition, oligopoly, monopolistic purchase of the elements of production. National income and its measurement methods, the balance of national income, total consumption and the consumption function, total investment, investment spending and its impact on the national economy. this course deals with the general equilibrium in linear and non-linear models, welfare economics, imbalance and market stability.</p>		

30516151	Legislations and Disater Management	3(3-0)
<p>Introduce the student to the law, what it is, its historical development and its public and private divisions, how to formulate its rules, objectives, characteristics, and sources, and the division of legal rules. The course also includes an overview of the sources of commitment, the most important of is the harmful act (illegal action) and illustrate of responsibility for personal actions that fall on Self and money, as well as responsibility for the actions of others, responsibility for things, and for the work of the subordinate. It also studies the most important international environmental laws. It contains an introduction to commercial law and its sources, business in terms of its legal system, contracts, commercial papers, bankruptcy, banking operations, general legal provisions for companies in terms of their formation, types, management and classification. The course also gives an introduction to local and international legislation for environmental protection and disaster reduction, as well as deals with local and international legislations to deal with disasters.</p>		

30501112	Principles of Financial Management	3(3-0)
<p>It includes an introduction to the basic concepts of financial management, functions and objectives in business enterprises, financial statements, time value of money, return and risk, analysis of financial data and their use to evaluate the establishment's achievement, methods of analysis, financial control, economic value and methods of determining them, the relationship of financial analysis to the prices of the entity's shares in the stock market Financial, forecasting financial failure, financial analysis in financial institutions, especially banks, percentages and their uses.</p>		

30515152	Fundamentals of Disasters and Crises Management	
<p>Introduce students to the concept of crisis and disaster, their characteristics, the reasons for emergence, classification, methods of diagnosis, and how to deal with them, in addition to the practical aspects by studying special cases of organizations that have faced success and failure in dealing with crises and disasters. It also includes providing the student with knowledge, administrative needs and an integrated approach in dealing with crises and disasters in all stages of the crisis (before, during, and after) the occurrence of the crisis.</p>		

DIS211	.Human Resource Management in Crises	
<p>Introducing the student to the concept and origins of human resources management, human resource planning activities, business analysis, employment, evaluation, training, and incentives. The course also provides an introduction to the skills and capabilities of the required human resources that enable the organization to plan</p>		



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for crises and disasters and deal with them if they occur. The course provides an explanation of the necessity of the human factor in the efficiency of crisis and disaster management, which includes building work teams and effective communications in facing disasters and crises.

Prerequisite (30516152)**DIS 213****Ethics of Administrative Work****3(3-0)**

enhancing appropriate ethical awareness and the ability to solve ethical dilemmas in a work environment in which many interests may conflict. The course includes the definition of ethics, moral theories and ethics in the work environment. The course also aims to provide the student with the analytical capabilities to understand ethical challenges in light of technological development and globalization. The course provides an explanation of the role of ethics in crises and disasters management, introduces ethical principles and guidelines through a study of real cases.

Prerequisite (30516151)**DIS 212****Organizational Behavior****3(3-0)**

An introduction to the organization theories, the concept of organizational behavior and its development, the administrative processes of organizational behavior, organizational climate and conflict management in organizations, management of change, management of creativity, job satisfaction and the future outlook of organizational behavior, formal and informal groups, group dynamics, values, trends, frustration, learning, motivation, organizational climate and the organizational environment. And the study of human behavior during dealing with the administrative process in order to discover the factors affecting his behavior in order to identify and control them, and then direct them in the required direction, and to identify the essence of individual and collective human behavior.

Prerequisite (30501111)**DIS 261****Principles of Public Safety and Occupational Health**

This course aims to introduce the basics of public safety and occupational health for employees in terms of first aid, the basics of prevention of risks and injuries, and the basics of rescue and firefighting. its also aims to introduce students to the scientific foundations for dealing with various accidents and injuries within the framework of work in order to create a safe and healthy work environment.

Prerequisite (30516152)**30516221****Principles of Maps****3(3-0)**

This course includes designing maps, including map symbols, and teaching maps as geographical models using the computer, as well as topological maps. The course includes types of maps, including descriptive and quantitative thematic maps, and methods of representing the terrain on maps.

30516241**Principles of Geographic Information Systems****3(3-0)**

This course includes the study of basic principles of geographic information systems in terms of defining the geographic information systems and the development of components, concepts and doctrines, or ways of expression through the same program. It also addresses the basic principles and methods to deal with them as well as data and metadata sources. The article also will address methods of management of information in terms of mapping out the different symbols and the tables and graphs and texts as well as slash-and-paste techniques and identification of areas and boundaries of integration and re-directing and photography.

Prerequisite (30516232)



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DIS 363	Industrail Health	3(3-0)
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Introducing students to the preventive procedures, and rules that organizations follow to achieve public safety for employees to protect their lives. The course also aims to introduce the student to the procedures for establishing an integrated safety management system in the organization by identifying external environmental factors or factors present in work sites that may cause injuries among workers. The course also aims to introduce methods of environmental monitoring and analysis methods to detect the extent of worker exposure to hazards. its also introducing the student to many risks in the workplace and how to control them and introducing the student to the risks that are expected to occur in many sectors such as the industrial and petroleum sectors, the construction sector, transportation and the tourism sector. The peculiarity of these sectors is studied through many case studies and practical cases in different fields

Prerequisite (DIS261)

DIS 222	Operations Researches	3(3-0)
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This course contains a definition of operations research and its historical development, its importance and areas of use, and decision theory: decision matrix, decision tree, and linear programming: graph method, simplified method, sensitivity analysis, binary solution theory, and special cases in linear programming: transport method, method Mapping, and Business Network Models: The Critical Path Method(CPM), program evaluation and review technical (PERT).

Prerequisite (DIS 171)

DIS 343	Environmental Risks Management	3(3-0)
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This course Includes an introduction to environmental assessment. Program and policy implementation. Environmental business and related laws. Laws and government orders affecting environmental protection. This course aims to introduce the environment and ways of protect it from pollution, public institutions for environmental protection in terms of its formation, competence, administrative control, environmental protection and administrative control bodies, responsibility for environmental damage, how to determine environmental damage.

Prerequisite (30501111)

DIS 323	Scientific Research Methods	3(3-0)
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This course aim to Introduce students to the importance and role of scientific research in building knowledge and making decisions. The course includes providing the student with the necessary skills and abilities to conduct scientific research, starting with identifying and defining the problem, reviewing previous studies, designing a quantitative and qualitative research methodology, and knowing methods of collecting and analyzing quantitative and qualitative data and presenting the results and report. The course includes applications and case studies that enable the student to apply all steps of scientific research and thus the ability to conduct research.

Prerequisite (DIS 171)



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DIS 353	Negotiation and Conflict Management	3(3-0)
<p>Introducing students to the concept of negotiation and its characteristics, determining the impact of the personality and culture of the negotiator on negotiating behavior, knowledge of negotiation principles, approaches and motives. In addition, it deals with the topic of negotiation ethics, international negotiations, conflict resolution skills, how to plan and prepare for negotiations and choose negotiation strategies</p> <p style="text-align: right;">Prerequisite (30501111)</p>		
DIS 354	Disasters and Crises Operations Management	3(3-0)
<p>introducing student to the management of crises operations in all stages of a crises or disaster and includes clarification of the preparedness mechanism and the measures taken by all management groups and work units until reaching the post-crisis stage and re-readiness. The course also aims to introduce the student to the skills and capabilities required to manage crisis operations and How to build and develop it.</p> <p style="text-align: right;">Prerequisite (DIS 171)</p>		
30516331	Stress Management in Crises	3(3-0)
<p>Introducing the student to the concept of stress in crises, and providing the student with the necessary knowledge of all scientific skills and methods related to dealing with psychological stress during crises and emergency situations, as well as knowing the effects of psychological stress on the performance of workers and on people who are exposed to emergency situations of injuries and victims in order to raise Morale and access to psychological stability, which is reflected in physical and psychological health and performance.</p> <p style="text-align: right;">Prerequisite (DIS 276)</p>		
DIS 332	Information Technology in Crises	3(3-0)
<p>The course deals with the concept of information technology and its role in managing accidents, disasters and crises. The course reviews the concepts, components and elements of various information technology and how to benefit from them in dealing with different types of crises and how to strategically plan for crises and disasters with the help of information technology. The course also clarifies the relationship between information technology and decision support systems and their role in dealing with the stages of the crisis and in building scenarios for dealing with and managing the crisis. The course also deals with the applications of information technology in crisis and disaster management.</p> <p style="text-align: right;">Prerequisite (30516232)</p>		
DIS 465	Occupational Safety and Health Systems	3(3-0)
<p>Introduce the student to many national standards in the field of occupational safety and health, such as the legislation governing the Ministry of Labor and Social Security Law, and international ones such as (OSHA, NEBOSH, IOSH). It also aims to learn about occupational safety management systems, and the principles of global health and safety systems.</p> <p style="text-align: right;">Prerequisite (DIS 363)</p>		
DIS 443	Remote Sensing Techniques	3(3-0)



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This course covers the study of electromagnetic radiation principles, types of common satellites in remote sensing science, visualization satellites for the study of the surface of the earth, Image digital Satellite Processing, multiple applications in remote sensing including: environmental applications, use of lands as well as identifying earth problems.

Prerequisite (241) (242)

DIS 455	Crises Management in Organizations	3(3-0)
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This course introduces students to the concept of crises in general and the commercial and industrial crises in particular, and also helping various institutions in managing the crises if its happened happened, helping public institutions in drawing of adequate and appropriate plans to face crises and disasters, in commercial or industrial sector.

Prerequisite (261)

DIS 457	Strategic Management for Disasters and Crises	3(3-0)
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This course includes an understanding of the concept of strategic management and the main steps of strategic analysis, which include the external and internal environment and its analysis, in addition to analyzing the resources and capabilities of the organization and analyzing the strategic location in order to formulate the organization's strategy and policies in the long term, as well as formulating business unit strategies. It also includes presenting multiple comprehensive cases that help in training students in strategic analysis and making strategic decisions. It also includes learning about strategic planning for disasters and crises. Environmental analysis of the sources of crises and disasters arising, and the formulation of a strategic plan for crises and disasters.

Prerequisite (354)

DIS 458	Public Relations in Disasters and Crises	3(3-0)
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Introduce the student to a comprehensive understanding of the process of public relations management in general, public relations and communication in case of crises and disasters in particular. The course also includes providing the student with the necessary knowledge to formulate a communication plan, public relations in crises and disasters, strategies and action plans to be followed in cases of crises. It also sheds light on the role of the media in conveying facts and dealing with them in the event of crises. The course gives specificity to technological developments in the media and their implications for managing public relations in crises.

Must complete 90 Cr. H. successfully

30501111	Total Quality Management	3(3-0)
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A complete coverage of total quality management with a focus on the principles and applications related to it, such as satisfying service recipients, and effective leadership to achieve total quality management. The course also includes concepts of continuous improvement, change management, quality costs and performance measurement. The focus is also on the tools and methods used, such as statistical control of the treatment process, quality systems, and benchmarking. The course also includes linking total quality management with disaster management and how to use the concepts and dimensions of quality in disaster and crises reduction



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Prerequisite (30501111)

DIS 333	Knowledge Management in Disasters and Crises	3(3-0)
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This course covers concepts and types of knowledge, explicit and implicit knowledge, methods of knowledge management, documentation of knowledge management in organizations, planning and organizing of knowledge resources, stages of formatting knowledge, its building mechanisms, knowledge management information systems, knowledge management applications in crises and disasters; Evaluate knowledge management systems used in the process of building crisis and disaster management strategies.

DIS 215	Decisions Making in Disasters and Crises	3(3-0)
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This course covers a study of quantitative and descriptive methods, problem-solving and decision-making, linear programming problems, sensitivity analysis, , full programming, programming and their application to social, economical, and situations, dynamic programming, quantitative, decision-making in multiplicity standards , business networks, the theory of waiting lines, Forecasting models, simulations, and the course includes a study of the process applied in different topic.

The course deals with the study of the quantitative and descriptive approach in solving problems and making decisions, linear programming and its issues, sensitivity analysis, problems of distribution, full programming, programming goals and their application to social, economical and banking situations, dynamic programming, quantitative decision theory, decision-making in multiplicity standards, Business networks, waiting lines theory, forecast models, simulations. The course includes applied practical cases in various topics.

3050111	Leadership in Disasters and Crises	3(3-0)
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Introducing the student to the concept of leadership, as part of covering various topics, including a description of its concept, principles, methods, factors that affect selecting these methods, power sources, the authority of the leadership , and the various leadership theories. This course also reviews various other topics, such as the characteristics of a managerial leader, leadership trends, problem-solving, leadership empowerment, effective change, time and communication skills, modern models of leadership, in addition to leadership effectiveness and performance.

Prerequisite (30501111)

DIS 464	Management of Industrial Effluent and Hazardous Materials	3(3-0)
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This course covers the definition of waste management and what are industrial waste and hazardous materials, methods of dealing with waste, recycling and the economic environmental benefit, modern methods of recycling and use of waste, energy producing, waste management requirements, international legislations on waste management, applying the international standards on waste management.

Prerequisite (DIS 261)

DIS 366	Risk Assessment	3(3-0)
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Established 1997

Curriculum for the Bachelor Degree in Disaster Management

Introducing students to the scientific and modern methodology in assessing risks in organizations, and the mechanism of dealing with and controlling these risks. It also includes clarification of the role assigned to the administration to carry out these tasks. The course includes practical applications and case studies with the aim of matching theoretical material with practical reality.

Prerequisite (DIS 261)

DIS 432	Business Continuity Management	3(3-0)
<p>Introducing students to the concept of business continuity management and the methods that include business continuity and effective recovery in the event of crises and disasters. This course is based on the requirements of ISO 22301. The course also enables the student to analyze risks and impacts on business processes that threats may cause and the ability to provide a framework for building organizational resilience to provide an effective response to protect the interests of stakeholders, reputation, brand, and value production activities.</p>		

Prerequisite (DIS 332)

DIS 171	Principles of Statistics	3(3-0)
<p>This course covers an introduction to statistics and probability, organizing and displaying data, measures of central tendency, measures of dispersion, groups, the principles of probability, random variables and probability distributions, binomial distribution, and normal distribution.</p>		

DIS 276	Industrial Psychology	3(3-0)
<p>Introducing the student to the importance of industrial psychology and its fields, vocational guidance and career choice, psychological test and specific data in selecting workers, vocational training, designing tools and devices, in addition to how to raise the morale of the workers and ways to meet their primary needs in order to raise the level and amount of production.</p>		

DIS 282	Civil Protection Sciences	3(3-0)
<p>This course covers civil protection, administrative services in civil protection, legislation and international laws relating to civil protection, public, private, and humanitarian institutions role in supporting of civil protection.</p>		

DIS 481	Field Training	6 (6-0)
<p>Field training in one of the institutions that are selected by the college administration and in coordination with the administration of these institutions so that the student is trained on: Work skills related to his specialization. The training program is designed by the teachers in the department and in coordination with the training institution, if the trainee gets the approval of the academic department. One of the faculty members supervise the trainee, monitors his performance according to the training method approved by the department council in the college.</p>		

Prerequisite :must complete 90 Cr. H. successfully

DIS 459	Special Topics in Crises Management	3(3-0)
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Established 1997

Curriculum for the Bachelor Degree in Disaster Management

Introduce the student to local and international examples of crises and disaster management in all administrative, financial, technical and natural fields in a participatory manner between students and the teacher through case studies, role play and analysis.

Prerequisite :must complete 90 Cr. H. successfully

DIS 482	Graduation Project	3(3-0)
Preparing a research or applied study for one of the topics related to the fields of specialization according to the procedures of scientific research and that the subject of study is chosen and prepared by the student under the supervision of the project teacher and is evaluated by the supervisor and one of the faculty members.		

Prerequisite :must complete 100 Cr. H.