Course Specification

(Summary)

1431/1432

Course Specification

Institution	majmaah university
College/Department	College of Science in AL-Zulfi Department Computer Science& Information

A- Course Identification and General Information

1. Course title and code: **_Decision Support Systems_** cis 465	
2. Credit hours 3	
4. Name of faculty member responsible for the course issa Mohammad alsmadi	
5. Level/year at which this course is offered third level	
6. Co-requisites for this course (if any) cis 327	
7. Location if not on main campus class room & computer lab	

B- Objectives

The course is devoted to introduce decision support systems; show their relationship to other computer-based information systems, demonstrate DSS development approaches, and show students how to utilize DSS capacities to support different types of decisions

C- Course Description (Note: General description in the form to be used for the Bulletin or Handbook should be attached)

Week	Topics	Topic Details	Reference (chapter)	Assess-ment
1	**_Making Decisions in the Decision Support Systems Environment_**	Activities in the decision support systems environment, The Decision Making Process , Information use for strategic management	[1]Chp.1	
2	**_Making Decisions in the Decision Support Systems Environment_**	Strategic analysis for the organization Types of Problems in the Decision Making Process	[1]Chp.1	**HOME WORK 1**

3+4+5	*Introduction to Decision Support Systems*	DSS Characteristics Applications of Decision Support Systems Capabilities of Decision Support Systems Components of Decision Support Systems Benefits of Using DSS Systems Evaluating the Success/Failure of Decision Support Systems	[1]Chp.2	**HOME WORK 2**
6	*Case Study 1*	Homeland Security		**Report 1**
7	*Case Study 2*	IBM company products		**Report 2** **First Exam**
8+9	*Developing Decision Support Systems*	Approaches to DSS development DSS Software Tools DSS Hardware and Operating system platforms Building and Implementing Decision Support Systems	[1]Chp.3,4	**HOME WORK 3**
10	*Case Study 3*	Data Mining .		**Report 3** **Second Exam**
11+12	*Decision Support Systems in Detail*	Types of decision support systems DSS Models Data mining Group decision support systems Executive Information Systems (EIS) Artificial Intelligence and Expert Systems	[1]Chp.5, 6	**HOME WORK 4**
13	*Case Study 4*	Biometric Technology		**Report 4**
14	*Systems Integration and the future of DSS*	Brainstorming	[1]Chp.7, 8	

15		Final Exam		

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2. Course components (total contact hours per semester):

Lecture: 45	Tutorial: 15	Laboratory 15	Practical/Field work/Internship no thing	Other :no thing

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3. Additional private study/learning hours expected for students per week. (This should be an average for the semester not a specific requirement in each week):

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4. Schedule of Assessment Tasks for Students During the Semester

	exam	**week**	**Grade**
	Midterm exam	**6**	**% 15**
	Practical exam	**12**	**% 15**
	Home work+quiz	**Along the term**	**% 10**
	Final exam	**16**	**% 60**

D- E Learning Resources.

1. Required Text(s) **Decision Support Systems and Intelligent Systems/ 7th Ed.**

   Efraim Turban and Jay E. Aronson; Prentice-Hall, 2005.

2. Essential References   Decision Support Systems: Myth or Reality, C. Carlson; Elsevier Sciences; March 2004

[3] Java Decision Support Systems and Intelligent Systems/ 6th Ed., Efraim Turban and Jay E. Aronson; Prentice-Hall, 2001

[4] Making Hard Decisions with Decision Tools Suite, Robert T. Clemen and Terry Reilly;

Duxbury Press, 2000..
3- Recommended Books and Reference Material (Journals, Reports, etc) (Attach List) no thing
4-.Electronic Materials, Web Sites etc
5- Other learning material such as computer-based programs/CD, professional standards/regulations

E- Assessment