Decision Support Systems Course Specifications

Course Specifications

Program(s) on which the course is given: Bachelor Degree in Computer & Information Sciences

Major or Minor element of program : Information Systems

Department offering the program : Information Systems

Department offering the course : Information Systems

Academic year / Level : Fourth Year/B.Sc.

Date of specification approval : 8/3/2010

A. Basic Information

Title: Decision Support Systems   **Code:** INF 488

Lecture: 4 hr/week   **Practical:** ---   **Tutorial:** ---

Credit Hours: ---   **Total:** 4 hrs/week

B. Professional Information

1. Overall Aims of Course:

This course gives a complete overview of decision support systems, including decision support systems characteristics, a brief example of a decision support system, some differences between Management Information Systems and decision support systems, the impetus for decision support systems, decision support systems levels, institutional and ad hoc decision support systems, the decision support systems, operating and evolving a decision support systems, application of decision support systems, hardware selection of decision support systems, software selection of decision support systems.

Upon completion of the course, students will be able to:

- Identify various models of decision support systems.
- Handle various decision support system situations.

2. Intended Learning Outcomes of Course (ILOs):

a. Knowledge and Understanding:

a1- State a complete plan of decision support systems.

a2- Describe decision support potentials.

a3- Define various models of decision support systems.

b. Intellectual Skills:

b1- Analyze specific decision support systems.

b2- Propose a decision for different support systems.

c. Professional and Practical Skills:

Knowledge of the concepts and material presented in this course will provide the students with practical know-how to:

c1- Handle different existing decision support tools.

c2- Design area boundary features.

c3- Configure data communications.

d. General and Transferable Skills:

Knowledge of the concepts and material presented in this course will provide the students with the capability to:

d1- Present decision support systems.

d2- Implement a complete decision support system for a specific system.

e. Attitude:

e1- A knowledge and respect of ethics and ethical standards in relation to a major area of study.
e2- Relationship Emphasis a successful with other students.
e3- Learn how to make relation with other, and the limit of this relation.

3. Contents:

Topic	No. of hours	Lecture	Tutorial/ Practical
A complete overview of decision support systems.	4	4	–
Describe differences between a decision support system and Management Information Systems	4	4	–
Decision support systems levels, institutional and ad hoc decision support systems. - I	4	4	–
Decision support systems levels, institutional and ad hoc decision support systems. - II	4	4	–
The decision support systems, operating and evolving a decision support system. -I	4	4	–
The decision support systems, operating and evolving a decision support system.-II	4	4	–
Decision support systems in various areas. **-I**	4	4	_
Decision support systems in various areas.-II	4	4	_
Decision support systems in various areas.-III	4	4	_
Decision support systems in various areas.-IV	4	4	_
Decision support systems in various areas.-VI	4	4	_
Application of decision support systems, hardware selection of decision support systems, software selection of decision support systems.-I	4	4	–
Application of decision support systems, hardware selection of decision support systems, software selection of decision support systems.-II	4	4	–
Application of decision support systems, hardware selection of decision support systems, software selection of decision support systems.-III	4	4	–