

Course Number: ISM 4133

Course Name: Advanced Systems Analysis and Design

Course Descriptions:

The general aim of this course is to examine the design and application of systems in business for routine data processing, management reporting, and decision support at various levels within the organization. The main focus of the course will be on the non-programming components of the systems development process. The tools and processes used by systems developers to analyze, design, manage and construct information systems will be presented. The course will take the format of lectures and discussions, as well as two oral presentations by students. One of the student presentations will consist of brief discussions on a current information technology topic chosen by the student. Each presentation should be no more than ten minutes and will be done at the beginning of the class session. The other presentation will be the group project presentation which should be no more than 30 minutes. Teamwork is heavily emphasized in the course. This allows the students to develop their interpersonal, conflict resolution and management skills in a simulated project environment. Lecture material can be downloaded from the class website on Blackboard.

Course Objectives:

Prerequisite:

- ISM 6212 (Database Management Systems)

List of Topics:

1. Security	2. Financial integrity
3. Web services	4. Telecommunications
5. Artificial intelligence	6. CASE tools
7. Expert Systems	8. Database management system
9. Outsourcing	10. IT management
11. Terrorism/Disaster Planning	12. Customer Service
13. Enterprise application	14. Wireless technology
15. New uses of the Internet	16. Software for the Analyst