Course Syllabus

IS495 Graduation Project I

Catalog Description: This course is the first part of a sequence of two courses that constitutes the BSc graduation project. In this part, the students are expected to propose, analyze, and design an information system under direct supervision of a faculty member which will be implemented and tested in the second part (IS498) The course requires students to synthesize and apply materials learnt in previous courses. This course will equip undergraduate Information Systems students with the basic skills to conduct and manage a project in the field of Information Systems, writing technical reports and the skills for presenting the work to audiences. This course will particularly focus on topics which are related to the field of information systems. The course will also provide guidance to the students in selecting business-focused projects, understanding the research process as well as the tools needed to support implementing the system, writing its documentation, presentation skills and ethical issues such as avoiding plagiarism.

Credit Hours: 3 Credit hours: 3 Lectures per week 0 Labs. per week 0 Recitation per week

Prerequisites: IS 336, IS 337

Course Learning Outcomes:

1. Describe the problem that can be solved by Information Systems.
2. Define the process that supports the information system delivery.
3. Cognitive Skills
4. Upon successful completion of the course, the students will be able to:
5. Interpret the system requirements based on analysis
6. Apply current techniques, skills and tools to model the system.
7. Write reports using professional tools.
8. Prepare visual presentation using professional tools.
9. Demonstrate effective team work to accomplish a common goal.
10. Communicate effectively with a range of audiences
11. Take responsibility for their own learning and continuing personal and professional development

Major Topics:

- Writing Skills - Teaching report writing using LaTex
- Chapter 1: Introduction - 1.1: Project Overview, 1.2: Problem Statement, 1.3: Purpose, 1.4: Project Scope, 1.5: Objectives, 1.6: Business Requirements, 1.7: Alternative Solutions , 1.8: System Perspective; Reading Skills - Reading Scientific Papers, related to project
- Chapter 2: Background - 2.1: Overview of existing systems, 2.2: Existing Business

Processes, 2.3: Methods / Approach, 2.4: Project Planning
- Chapter 3: Requirements Analysis - 3.1: Requirement Gathering Techniques, 3.2: Proposed Business Process, 3.3:Functional Requirements, 3.4: Non-functional Requirements, 3.5: User Interfaces
- Presentation Skills discussion
- Project Discussions

Text Books:
- Lebrun, Jean. Scientific Writing: A Reader And Writer's Guide. Singapore: World Scientific, 2007, ISBN: 978-9812701442.

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Grading:

- The grading scale for this course is:

95 - 100	A+	Passing
90 - 94	A	Passing
85 - 89	B+	Passing
80 - 84	B	Passing
75 - 79	C+	Passing
70 - 74	C	Passing
65 - 69	D+	Passing
60 - 64	D	Passing
0 - 59	F	Failing

- Final grades will be determined based on the following components:
  . 60% Semester Work
  . 40% Final Exam
- Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.
- Late submissions will not be accepted for any graded activity for any reason.
- Students have one week to request the re-grading of any semester work.

Attendance Policy:

Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

Cheating and Plagiarism Policy:

The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course.

When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.

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Communications:

Registered students will be given access to a section of the Learning Management System (LMS) for this course. LMS will used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades.

Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.