

IS4937: INFORMATION SYSTEMS PROJECT I

Effective Term

Semester A 2024/25

Part I Course Overview

Course Title

Information Systems Project I

Subject Code

IS - Information Systems

Course Number

4937

Academic Unit

Information Systems (IS)

College/School

College of Business (CB)

Course Duration

Non-standard Duration

Other Course Duration

(minimum 160 hours)

Credit Units

3

Level

B1, B2, B3, B4 - Bachelor's Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

IS4931 Information Management Development Project

Part II Course Details

Abstract

This course aims to equip students with knowledge and skills to apply IS methodologies to solve business problems. Students will learn how to initiate a project, conduct literature reviews and benchmark analysis, implement an IS project, and write a project report for their internship, consulting and research projects. It is to enhance student's practical skills in managing projects in a business information systems environment. Furthermore, students' skills in effective communication, individual and team work, time management, data analysis and reporting, and creative problem solving will be trained in the real-world and evaluated for improvement. If the project scale is large, student(s) is/are encouraged to continue the work by taking IS4938 in subsequent semester. In general, IS4937 focuses on the early stages whereas IS4938 concentrates on the later stages of a consulting or a research project.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Formulate an information systems project in a business setting in the form of internship, consulting or research projects.	20	x	x	
2	Demonstrate the attitude and ability to apply various tools and methods of systems analysis to model user requirements with innovative ideas and technologies.	20	x	x	
3	Demonstrate creative problem solving skills in developing behavioural models of specific problem domains.	20	x	x	
4	Identify the concepts and techniques of project management to initiate, plan, execute, and control information systems consulting projects.	20	x	x	x
5	Create good communication and interpersonal skills in eliciting user requirements and in presenting preliminary business solutions.	20		x	

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

	LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	LTA1: Field Study	Students will spend reasonable amount of time at real-world organisations to observe, analyse, and document the socio-technical problems associated with the application, implementation, or management of business information systems.	1, 2, 3, 4, 5	
2	LTA2: Case Study	Students will observe, analyse, and document the socio-technical problems associated with the implementation or management of business information systems based on the information given by some real-world organisations.	1, 2, 3, 4, 5	
3	LTA3: On-Line Discussion	Students will have a chance to self-reflect and share the concepts, techniques, and methods associated with the implementation or management of business information systems.	2, 3, 5	
4	LTA4: Seminar	Students will discuss their initial findings and the preliminary business solutions with fellow students and project supervisors.	2, 5	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	AT1.Project Diary A self-reflection of the problems encountered and the insights developed by individual students during the course of their project study.	1, 2, 3, 4, 5	20	

2	AT2.Project Report A formal documentation of how an IS project is conducted, the socio-technical issues observed from the targeted business environment, and the IS solutions to address the specific business problems.	1, 2, 3, 4, 5	60	
3	AT3.Project Presentation A formal presentation to communicate the findings and the preliminary solutions to the project supervisors.	2, 3, 5	20	

Continuous Assessment (%)

100

Examination (%)

0

Assessment Rubrics (AR)**Assessment Task**

AT1.Project Diary

Criterion

Ability to identified and analysed the socio-technical issues of the problem domain

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT1.Project Diary

Criterion

Ability to synthesise and apply sound system analysis methodologies to develop user requirement model

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT1.Project Diary

Criterion

Capability to creatively develop the use cases and behaviour models with reference to the characteristic of the given business problem

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT1.Project Diary

Criterion

Ability to apply sound project management methodology thoroughly and creatively to drive the consulting project

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT1.Project Diary

Criterion

Ability to demonstrates a cogent ability to integrate communication skills so that ideas are communicated in the most cost-effective way

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT2.Project Report

Criterion

Ability to identified and analysed the socio-technical issues of the problem domain

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT2.Project Report

Criterion

Ability to synthesise and apply sound system analysis methodologies to develop user requirement model

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT2.Project Report

Criterion

Capability to creatively develop the use cases and behaviour models with reference to the characteristic of the given business problem

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

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Failure (F)

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Assessment Task

AT2.Project Report

Criterion

Ability to apply sound project management methodology thoroughly and creatively to drive the consulting project

Excellent (A+, A, A-)

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Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

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Assessment Task

AT2.Project Report

Criterion

Ability to demonstrates a cogent ability to integrate communication skills so that ideas are communicated in the most cost-effective way

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT3.Project Presentation

Criterion

Ability to synthesise and apply sound system analysis methodologies to develop user requirement model

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT3.Project Presentation

Criterion

Capability to creatively develop the use cases and behaviour models with reference to the characteristic of the given business problem

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Assessment Task

AT3.Project Presentation

Criterion

Ability to demonstrate a cogent ability to integrate communication skills so that ideas are communicated in the most cost-effective way

Excellent (A+, A, A-)

High

Good (B+, B, B-)

Significant

Fair (C+, C, C-)

Moderate

Marginal (D)

Basic

Failure (F)

Not even reaching marginal levels

Part III Other Information

Keyword Syllabus

IS Consultancy, IS Research, Artificial Intelligence, Big Data, Cloud Services, Systems Analysis and Design, IS Project Management.

Reading List

Compulsory Readings

Title	
1	Nil

Additional Readings

Title	
1	There is no formal reading list for this course.