

CB2500: INFORMATION MANAGEMENT

Effective Term

Semester B 2025/26

Part I Course Overview

Course Title

Information Management

Subject Code

CB - College of Business (CB)

Course Number

2500

Academic Unit

Information Systems (IS)

College/School

College of Business (CB)

Course Duration

One Semester

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

GE2263 Information Management

Exclusive Courses

Nil

Part II Course Details

Abstract

Provide knowledge about the foundations of information management using business information systems; Introduce database management systems, social media, project management, information systems auditing, business continuity

planning, and enterprise systems; Introduce the concepts of digital transformation using artificial intelligence (AI), big data, and cloud services; Provide students with hands-on experience to use office management software (e.g., Excel) and business intelligence software (e.g., SAS Enterprise Miner) in the tutorial. Highlight advanced information technologies (e.g., Internet of the Things, smart devices, and blockchain) and disruptive technologies; Equip students with the essential skills to use decision support and business intelligence tools in today's business world; Explain business information systems relevant to their professional career in Hong Kong and globally.

Course Intended Learning Outcomes (CILOs)

| | CILOs | Weighting (if app.) | DEC-A1 | DEC-A2 | DEC-A3 |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------|--------|--------|
| 1 | Describe the basic concepts of information systems used by businesses. | 22 | x | x | |
| 2 | Explain how IT-enabled business processes improve businesses' efficiency and effectiveness in an international environment. | 22 | x | x | |
| 3 | Demonstrate the attitude and ability to design creative information management solutions to support business processes at various organizational levels. | 22 | x | | x |
| 4 | Identify decision-making models to solve international business problems. | 22 | x | | x |
| 5 | Demonstrate good communication and interpersonal skills in proposing and presenting creative information management solutions. | 12 | x | 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 Lecture: Concepts and general knowledge of information systems are explained. | Students will participate in discussions in lectures (e.g. face-to-face discussion, using mobile devices), and the lecturer provides feedback based on students' response. Students will be given information management cases /exercises which will be taken from various sources, e.g. textbook, online reference materials, and news, for discussion. | 1, 2, 3, 4, 5 2 Hours/ Week |
| 2 | LTA2 Tutorial: In-depth discussions will be conducted, and hands-on exercises will be provided to students. | In-class exercises: Students will experience hands-on activities on information management tools for decision-making. Students will participate in discussions in the tutorial via face-to-face mode with the lecturer and other students. | 1, 2, 3, 5 1 Hour/ Week |

Assessment Tasks / Activities (ATs)

| ATs | CILO No. | Weighting (%) | Remarks ("- for nil entry) | Allow Use of GenAI? |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|----------------------------|---------------------|
| 1 AT1. Participation:A. Student' s participation will be evaluated in terms of quality of questions, answers and student engagement in the lecture and tutorial throughout the semester. B. Bi-weekly MC quizzes will be given to students to help them consolidate the concepts learned in the week. | 1, 2, 3, 4, 5 | 15 | - | Yes |

| | | | | | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----|---|-----|
| 2 | AT2. Project:A project is designed to test students' ability in performing basic business intelligence analysis, identifying business needs in a competitive environment, and recommending solutions to help organizations compete more effectively and efficiently in the business world. | 1, 2, 3, 4, 5 | 15 | - | Yes |
| 3 | AT3. Mid-term Test:To ensure reinforcement of reading and seminar, a mid-term test will be used to gauge the students' grasp of information management concepts and knowledge, as well as their ability to apply them to solve business problems in various situations. | 1, 2, 4 | 20 | - | Yes |

Continuous Assessment (%)

50

Examination (%)

50

Examination Duration (Hours)

2

Assessment Rubrics (AR)**Assessment Task**

AT1. Participation

Criterion

Ability to accurately describe all key concepts of information systems used by business

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. Participation

Criterion

Ability to explain how IT-enabled business processes improve corporate efficiency and effectiveness in a global environment

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. Participation

Criterion

Attitude and capability to design relevant creative information management solutions to support business processes at different organizational levels

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. Participation

Criterion

Ability to apply decision-making models to solve global business problems

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. Participation

Criterion

Interpersonal capacity to work in a team and ability to communicate effectively and propose creative information management solutions to solve global business problems

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

Criterion

Ability to accurately describe all key concepts of information systems used by business

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

Criterion

Ability to explain how IT-enabled business processes improve corporate efficiency and effectiveness in a global environment

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

Criterion

Attitude and capability to design relevant creative information management solutions to support business processes at different organizational levels

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

Criterion

Ability to apply decision-making models to solve global business problems

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

Criterion

Interpersonal capacity to work in a team and ability to communicate effectively and propose creative information management solutions to solve global business problems

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.Mid-termTest

Criterion

Ability to accurately describe all key concepts of information systems used by business

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.Mid-termTest

Criterion

Ability to explain how IT-enabled business processes improve corporate efficiency and effectiveness in a global environment

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.Mid-termTest

Criterion

Ability to apply decision-making models to solve global business problems

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

AT4.Final Examination

Criterion

Ability to accurately describe all key concepts of information systems used by business

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

AT4.Final Examination

Criterion

Ability to explain how IT-enabled business processes improve corporate efficiency and effectiveness in a global environment

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

AT4.Final Examination

Criterion

Ability to apply decision-making models to solve global business problems

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

Information management; Competitive strategies and advantages; Business processessm and business process notation; Database management systems; Entity relationship model; Data integrity; Normalization; Decision support; Artificial intelligence; Business intelligence; Digital transformation; Data warehouse; Data mart; Big data; Smart banking; Project management; Systems development life cycle; Change management; Social media information systems; Digital marketing; Digital analytics; Enterprise social network; Enterprise systems; Customer relationship management; Supply chain management; Enterprise resources planning; Bullwhip effect; Disruptive technologies; Cloud services; Virtual private network; Freeconomics; Trends in information technologies; Information ethics; Privacy; Encryption; Safeguards; COBIT; Security for business applications; IS auditing; International outsourcing; Globalisation and international systems management; Internet of things; Smart devices; Blockchain.

Reading List

Compulsory Readings

| Title | |
|-------|---------------------------------------------------------------------------------------|
| 1 | David M. Kroenke and Randall J. Boyle, Experiencing MIS, 10th Edition, 2023, Pearson. |

Additional Readings

| Title | |
|-------|----------------------------------------------------------------------------------|
| 1 | P. Baltzan, Business Driven Technology, 10th edition, 2023, McGraw-Hill. |
| 2 | P. Baltzan, Business Driven Information Systems, 8th edition, 2023, McGraw-Hill. |

| | |
|---|------------------------------------------------------------------------------------------------------------------|
| 3 | J. Valacich, C. Schneider, Information Systems Today, Managing in the digital world, 9th edition, 2022, Pearson. |
| 4 | J. A. O' Brien, G. M. Marakas, Management Information Systems, 2011, 10th edition, McGraw-Hill. |