

Enterprise Information Systems (EIS)

Credits	3
Faculty Name	Prof. Bhaskar Basu
Program	1 Year Exe-MBA FT
Academic Year and Term	2022-23, Term 1

1. Course Description:

The course comprises four major constituents – core information systems concepts, enterprise systems for management, business analysis and skill enhancement on specific IS tools. The course delivery will be based on conceptual treatise as well as case pedagogy. Overall, this course will enable the participants to develop general abilities related to problem identification and solving, along with some formal processes, methodologies, and models.

The course covers the following broad topics:

- ‘The Strategic role of Information Systems’
- ‘Classification of Information Systems’,
- ‘Enterprise Systems’
- ‘Building Information Systems’,
- ‘Decision Support Systems’ and
- ‘AI applications’

The students will propose business process improvements through System Modelling approaches for the proposed system in different domains.

2. Course Learning Objectives:

On completion of the course participants will be able to:

- CLO 1: Appreciate the basic Information Systems Concepts and their relevance in organizational decision making
- CLO 2: Demonstrate sound understanding of business value of Enterprise Systems in overall improvement of the operations in various functional areas
- CLO 3: Apply specific tools for problem solving in a specific organizational context

3. Readings:

https://repository.dinus.ac.id/docs/ajar/Kenneth_C.Laudon,Jane_P_.Laudon_-_Management_Information_System_13th_Edition_.pdf

Reference Books:

1. Management Information Systems, Effy Oz, Cengage Learning
2. Management Information Systems, Laudon & Laudon 14th Ed., Pearson Ed.
3. Management Information Systems, James O Brien et al, TMH
4. Management Information Systems, Jaiswal & Mittal, OUP
5. Management Information Systems: A South-Asian Perspective, Bidgoli and Chattopadhyay, latest edition (2016), Cengage Learning
6. Information Systems Today: Managing in the Digital World by Valacich/Schneider, Pearson, ISBN:9789332549944.

The students will also be provided cases/additional readings and must have MS Office 2016 or higher version/Office 365 installed in their respective laptops.

4. Pedagogy and Students Workload:

The pedagogy will include a mix of lecture and case pedagogy. The instructor will share the necessary concepts related to the topics and subsequently discuss real life applications of the concepts through cases distributed beforehand. The students are expected to take the help of decision support tools for problem solving in some of the cases. It is expected that the students devote around 3-4 hours per week apart from the scheduled classes for the course.

5. Tentative Session Plan:

Session	Topic	Reading/Case Discussions
1 - 3	Info Systems in Business Today: The Role of Information Systems, Information, People Data vs Information vs Knowledge, Classification of Info Systems	Ch 1, Panel Discussion: What do you understand by IT/IS? HBS case
4-5	Info Systems, Organizations, & Strategy: How IS Impacts Organizations & Business Firms, Business Canvas, Using IS to Achieve Competitive Advantage, Porter’s model	Ch 2-3, Book Case
6-8	Business Analytics and Decision Support using Excel	Ch 12, Class Assignment(s): Lab session**
9-11	Enterprise Systems: Core Business Processes and Organizational Value Chains, ERP/SCM/KM systems	Ch 9, ERP/SCM/KM HBS Case
12-14	Building Information Systems: Methodologies for modelling and designing system	Ch 13 Class Assignment(s)
15-16	AI and ML applications in Industry ^: AI and IOT applications / use cases	Readings HBS Case

17-18	Emerging Trends and Applications: Sports Industry scenario	Video Analysis/Presentation HBS Case
19-20	Group Presentations and Wrap Up	(Topic: Instructor Choice)**

^ Subject to availability will arrange a guest lecture

** To be specified in Class (may not be in the specific session mentioned)

6. Evaluation:

- Quiz (1) (No makeup) : 20%
- Assignment(s) : 20%
- End Term (No makeup) : 30%
- Group Presentation : 20%
- Class Participation : 10%

7. Academic Integrity:

Students are expected to maintain ethical standards conforming to regulations as per the latest Student Manual of Procedures for Exe-MBA students, Xavier University.

The instructor reserves the right to tweak a few sessions depending on the availability of the e-book and HBS cases