



Information Systems Course Schedule

By

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Today, Information Systems (IS) are an integral part of most mid to large organizations. They are not only dependent on IS for their day-to-day operations in all areas but the IS capabilities of these organization are often the key differentiators for them. A large portion of their operational budget is dedicated to IS. In this context, it is essential for budding managers to develop a keen understanding of IS – their development, their role within the organization and developing trends in the field so that they can leverage IS capabilities towards achieving excellence and success. This course aims to provide an overarching view of the IS landscape, starting from the foundations of IS to the latest in emerging technologies. The course is suitable as a foundational course for students from a non-technical background and would server as a refresher for those from IT backgrounds.

Course Material:

1. **Management Information System** – O'Brien, Marakas & Behl, McGraw Hill, 2013,
2. **An Introduction to Database Systems (8th Edition) Paperback by C.J. Date.** – Online version available at:
[http://mathcomp.uokufa.edu.iq/staff/kbs/file/2/An%20Introduction%20to%20Data
base%20Systems,%208th%20Edition,%20C%20J%20Date_4.pdf](http://mathcomp.uokufa.edu.iq/staff/kbs/file/2/An%20Introduction%20to%20Data%20base%20Systems,%208th%20Edition,%20C%20J%20Date_4.pdf)
3. Additional course material including articles and presentations provided in the class

Time Table:

Session - 1	Introduction to Information Systems , brief history of IT, technical and organizational foundations of information systems
Session - 2	Basic concepts & building blocks of IT. Hardware, software, etc.
Session - 3	Overview of IT infrastructure- networks, storage, security
Session - 4	Components of system development- development platforms
Session – 5	Components of system development- databases I
Session – 6	Components of system development- databases II
Session – 7	Components of system development- data analytics, Big Data, directories
Session – 8	System architecture of modern Information Systems – web system architecture
Session – 9	Introduction to enterprise systems
Session - 10	MIS and reporting
Session – 11	e-Commerce and e-Business
Session - 12	Systems Analysis and Design – Analysis phase of systems development. Development life cycle.
Session – 13	Systems Analysis and Design - feasibility studies, analysis of user requirements, development of logical system models.
Session – 14	software project management, integrating web and business environments
Session – 15	Software testing
Session – 16	Systems Implementation & challenges
Session – 17	Financial aspects of IS, IT budgeting
Session – 18	IT as an enabler and a competitive weapon – case studies
Session – 19	Emerging trends- Outsourcing (development, infrastructure), cloud
Session – 20	Emerging trends – Opensource/freeware, security & compliance, etc.

Course Evaluation:

Course evaluation will be on the following basis:

Five in-class quizzes (10% each) -	50%
Design project -	20%
Final Exam -	30%
Total -	100%

Bonus: A bonus of up to 10% may be assigned based on productive class participation.

Course Etiquette:

Details will be discussed in first session.

Academic Integrity: A no-tolerance policy will be implemented:

1. All material taken from the internet and other sources must be referenced diligently in your reports, etc. A failure to do so may result in a downgrade of up to one letter grade.
2. Any cheating or collaboration during the exams may result in a downgrade of up to two letter grades.