Data and Information Management
Addresses central issues in managing information to achieve competitive advantage and support innovation. Specific topics covered include data modeling using entity relationship (ER) diagrams, data quality, building analytic capability, and providing user-friendly access to organizational data.

Strategic Value of Information Technology
Instills students a balanced and disciplined view of IT and business with their interplay. Cases and assignments involving the symbiotic relationship of IT and business are assigned to provide real-world exposure for critical thinking and engaging discussion.

Business Intelligence
Covers how organizations strategically use Business Intelligence (BI) to gain a sustainable, competitive advantage. Builds the foundations for evidence-based managerial decision making, covers technologies for data warehousing and data mining from a managerial perspective, and incorporates contemporary topics such as real-time BI, business analytics, and business performance management.

Information Security and Controls
Provides a broad survey of information security and controls, utilizing the COBIT framework to illustrate how information security and controls contribute to effective IT governance. Develops an understanding of the issues associated with information security and effective IT governance, assesses effectiveness of information security alternatives, and designs an organizational information security program.

Business Process and Workflow Analysis
Builds foundations for process analysis by focusing on information, documents, people, roles, and business rules. Provides an introduction to various techniques and tools of process analysis, including an understanding of organizational issues in rolling out change initiatives.

Managing Enterprise Systems
Investigates major categories of enterprise systems, factors driving software adoption and keys for successful implementation. Special attention is paid to evaluating the potential impact of emerging technologies on business environments.

IT Services and Project Management
Focuses on key aspects of commoditization of hardware, software, and business processes. Introduces the IT product development and service delivery processes with sound management principles for on-budget and on-time projects that meet end-user needs.

Information Enabled Business Modeling
Explores how different industries and organizational functions are deriving value from big data, the challenges they’re encountering, and how to avoid pitfalls. Addresses the value and importance of adopting data science and building an analytical culture within an organization, and how companies utilize big data as part of their business strategy.

Applied Project
Applies the concepts, theories, and frameworks learned throughout the program. This capstone course focuses on emerging IT issues. While working in teams, gain real-world experience by developing an IT-enabled transformation plan for a business and presenting to industry and academic professionals.

Emerging Technologies
Explores decision models and frameworks applied to assess, evaluate and implement technologies. Provides context for applying the decision models and frameworks, including enterprise integration technologies, mobile platforms and devices, semantic web, and electronic collaboration technologies.

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