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| **Introduction to Information System** | **Module Title:** |
| **CAP 250** | **Module ID:** |
| **None** | **Prerequisite:** |
| **3** | **Level:** |
| **3 (3+0+0)** | **Credit Hours:** |

**Module Description:**

Definition of Information Systems, Data, Information and Systems; Components of an Information System; IS framework; IS value and roles; Moment of Value and Information characteristics; IS History; IS classes; Information and IS strategic Role; IS development : IS projects, IS life cycle, IS development tools; Data management: Data as a strategic resource, Data classes, From Files to Databases, Database management systems; Enterprise computing: network types, technologies, Internet, Distributed IS in modern organizations; IS in the internet environment: Modern organizations IS architecture, ecommerce systems, ebuisness systems, virtual organizations; Information-centric organization architecture and IS management; Competition thru IS; Developing small ISs as projects using relevant tools.

**Module Aims:**

The aim of this course is introduce Information Systems (IS), their roles in organizations and their current limitations and strengths within organizations

Learning Outcomes:

* Explain the importance of understanding IT in its context to successful IS practice by looking at issues such as IT-supported core competencies, competitive advantage,
* Business-IT alignment, governance and outsourcing, and change management in IT.
* Apply key areas of research and practice in information systems
* Identify interrelationships between concepts in information systems
* Critically discuss and analyze information systems issues at an advanced level
* Exploit the key knowledge and transferable skills as a basis for further post-graduate level study
* Use the learned context to assess the role of IT/IS in organizations

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| List of Topics | No. of  Weeks | Contact Hours |
| Introduction to Information Systems | 2 | 6 |
| Information system in an organization | 2 | 6 |
| Hardware: Input, processing and output devices | 2 | 6 |
| Software: Systems and application software | 2 | 6 |
| Organizing data and information | 2 | 6 |
| Telecommunication and networks | 2 | 6 |
| Database Systems and Business Intelligence | 3 | 9 |

**Textbook:**

Lauden & Lauden (2002); “Management Information Systems”; Prentice-Hall.

Turban; Rainer and Potter (2001); “Introduction to Information technology”; Wiley.