

<b>Module Title:</b>	<b>Introduction to Information System</b>
<b>Module ID:</b>	<b>CAP 250</b>
<b>Prerequisite:</b>	<b>None</b>
<b>Level:</b>	<b>3</b>
<b>Credit Hours:</b>	<b>3 (3+0+0)</b>

### **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, ebusiness 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

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.